

**INORGANIC DATA VALIDATION REPORT**

To: EPA Region 9  
 Validated by: Diane Quigley, Weston Solutions, Inc.  
 Report Date: August 13, 2015  
 Project/Site: Gold King Mine Emergency Response  
 Laboratory No: 680-115487-1 & 680-115487-2

This memo presents the inorganic data validation report for the data obtained during the field activities for the above referenced work assignment. The purpose of this review is to provide a Stage 2A validation of the following samples collected on August 12, 2015 and analyzed by TestAmerica Laboratories, Inc. located in Savannah, GA:

Field Sample Numbers	Laboratory ID	Analyses/Methods
SJMC-081015-12	680-115487-1	TAL Metals plus Molybdenum by EPA 200.7 and 200.8 Mercury by EPA 245.1 Hardness (calculation) by SM2340B TSS by SM2540D TDS by SM2540C Alkalinity by SM2320B pH by SM4500H+B
SJME-081015-11	680-115487-2	
SJMC-081015-11	680-115487-3	
SJ4C-081015-11	680-115487-4	
SJSR-081015-11	680-115487-5	
SJFP-081015-11	680-115487-6	
SJBB-081015-11	680-115487-7	
SJMH-081015-11	680-115487-8	
MECT-081015-11	680-115487-9	
SJLP-081015-11	680-115487-10	
SJDS-081015-11	680-115487-11	
SJHB-081015-11	680-115487-12	
SJHB-081015-12	680-115487-13	
SJ4C-081115-11	680-115487-14	
SJ4C-081115-12	680-115487-15	
SJSR-081115-11	680-115487-16	
SJMH-081115-11	680-115487-17	
SJBB-081115-11	680-115487-18	
SJMC-081115-11	680-115487-19	
SJME-081115-11	680-115487-20	
SJME-081115-12	680-115487-21	
MECT-081115-11	680-115487-22	
SJFP-081115-11	680-115487-23	
SJHB-081115-11	680-115487-24	
SJDS-081115-11	680-115487-25	
SJLP-081115-11	680-115487-26	

Mo = Molybdenum

SM = Standard Methods for the Evaluation of Water & Wastewater

TAL = Target Analyte List

TDS = Total Dissolved Solids

TSS = Total Suspended Solids

Data validation was conducted in accordance with the EPA National Functional Guidelines for Inorganic Superfund Analyses, August 2014 (NFG); Test Methods for Evaluating Solid Wastes, SW-846, 3rd Edition and Updates; and appropriate EPA methods.

Stage 2A validation was performed on the sample results. The data were evaluated based on the following parameters:

- \* Data Completeness
- Holding Times, Sample Preservation and Receipt
- Laboratory Blanks
- NA Field Blanks
- Matrix Spike/Matrix Spike Duplicates
- \* Laboratory Duplicate Samples
- \* Laboratory Control Samples (Blank Spikes)
- Total vs. Dissolved Metals Results Evaluation
- Field Duplicates
- Sample Dilutions and Detection Limits
- **All criteria were met for this parameter**
- NA **Not applicable**

### Data Completeness

The Level 2 data package was complete and included a case narrative, sample results, batch quality control (QC) results, QC association summary, chain-of-custody forms, and a sample receipt condition form. Raw data is not required for a Level 2 data package.

### Holding Times, Sample Preservation and Receipt

Surface water samples were analyzed for pH two days after sampling. Results for pH were flagged by the lab with an “HF” which indicates the samples were analyzed out of the 15 minute field holding time. The pH results for water samples were estimated (qualified “J”) since they were analyzed past the recommended holding time. All other holding times were met.

The samples were received within the recommended  $\leq 6$  degrees Celsius NFG QC limit. No shipping or receiving problems were noted.

### Laboratory Blanks

The method blanks (MB) were analyzed at the required frequency. No contaminants were found in these blanks with the following exception:

The ICP-AES total metals MB680-395701/1-A (associated samples –115487-1 through -13) was contaminated with total and dissolved copper (.610 micrograms per liter [ $\mu\text{g/l}$ ]) and total and dissolved selenium (1.49/1.49  $\mu\text{g/l}$ ) at a concentration  $\geq$  method detection limit (MDL) and  $\leq$  the reporting limit (RL). Positive total copper results in all associated samples were not qualified due to associated sample concentrations greater than 10 times the blank level. The laboratory flagged results with a “B” and the validator removed the B. The positive dissolved copper results were qualified with a “J+” in samples 115487-1 through -13 and positive total selenium results in samples 115487-1 through -9 and -11 through -13 due to potential high bias. The positive total selenium result in sample -10 was qualified as undetected (U) at the RL. The dissolved selenium results were qualified as undetected (U) at the RL in samples 115487-1 through -13 since reported results were below the RL.

### Field Blanks

No field blanks were submitted with these samples.

### Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on sample SJDS-081115-11 for dissolved metals. Calcium and sodium were outside QC limits but

flagged with a “4”. Batch 395731 MS/MSD was performed on SJFP-081115-11 (associated samples 115487-14 through -21, -23 through -26) and total barium was outside QC limits but flagged with a “4”. Total and Dissolved MS/MSD for Batch 395701 (associated samples 115487-1 through -13) were performed on sample SJMC-081015-12 and total and dissolved barium and manganese were flagged with a “4”. No qualifications were made for any of the analytes failing recoveries and relative percent differences (RPD) if parent sample concentrations were greater than 4 times the spiked amount and were flagged with a “4” by the laboratory.

Spike recoveries met the 75-125 percent recovery (%R) metals criteria and the 20 RPD criteria from the NFG except for the following:

- Total and dissolved antimony (17/16%) and total and dissolved molybdenum (54/54%) recovered below QC limits in sample SJMC-081015-12. The positive results for antimony and molybdenum were estimated (J-) in samples 115487-1 through -13 due to potential low bias and the quantitation limits for non-detected results were flagged estimated (UJ).
- Total and dissolved antimony (10/10%) and total and dissolved molybdenum (45/45%) recovered below QC limits in sample SJME-081015-11. The positive results for antimony and molybdenum were qualified as estimated (J-) in samples 115487-1 through -13 due to potential low bias and the quantitation limits for non-detected results were qualified as estimated (UJ).

No MS/MSDs were performed for Hardness, pH, Total Alkalinity, TDS or TSS analyses.

#### Laboratory Duplicate Samples

Total and dissolved metals and mercury analyses laboratory duplicate was performed on samples SJMC-081015-12, SJME-081015-11, SJME-081115-12, SJFP-081115-11 and MECT-081115-11. The laboratory duplicate for total alkalinity was performed on SJBB-081015-11 and SJBB-081115-11 and the TSS duplicate on samples SJ4C-081015-11 and SJ4C-081115-11. The TDS duplicates were performed on samples SJME-081015-11, SJHB-081015-11, and MECT-081115-11.

Duplicate precision criteria were met for laboratory duplicate sample results greater than five times the RL. RPDs were less than 20% for aqueous samples. For sample results less than five times the RL, the absolute difference between the laboratory duplicate and the original sample was less than two times the RL.

#### Laboratory Control Samples (Blank Spikes)

At least one laboratory control sample (LCS) analysis was analyzed per QC batch and, for some analyses, a duplicate LCS (LCS D) was also analyzed. All LCS analyte recoveries were within 70-130%R NFG control limit for metals and mercury and within

the 20% RPD NFG control limit for metals and mercury. Recoveries were within the lab control limits for wet chemistry parameters.

#### Total vs. Dissolved Metals Results Evaluation

Total metals results were greater than the dissolved metals results and/or within the 10 percent difference (%D) QC limits for all metals analytes except for the following:

Sample ID	Analyte	Total Conc.	Dissolved Conc.	%D	Qualifier
SJMC-081015-12	Mo	1.6µg/L	2.2 µg/L	37%	J
SJ4C-081115-12	Mo	0.96 J µg/L	1.9 µg/L	98%	J
SJSR-081115-11	Mo	.63 J µg/L	1.6 µg/L	153%	J
SJMH-081115-11	Mo	1.0µg/L	2.0 µg/L	100%	J
SJME-081015-11	Mo	1.6µg/L	2.1 µg/L	31%	J
MECT-081115-11	Mo	0.68 J µg/L	1.7 µg/L	150%	J
SJHB-081115-11	Mo	2µg/L	2.6 µg/L	30%	J
SJDS-081115-11	Mo	1.2 µg/L	2.0 µg/L	67%	J
SJLP-081115-11	Mo	1.4 µg/L	2.0 µg/L	43%	J
SJME-081115-12	As	0.99 µg/L	3.1 µg/L		J
	Ba	81	270		
	Be	.15	0.61		
	Cr	1.0U	6.1		
	Co	0.29 J	4.7		
	Cu	1.6	12		
	Fe	17U	8700		
	Pb	0.06U	17		
	Mg	8200	10000		
	Mn	3.4	320		
	Ni	1.1	6.6		
	V	0.878	16		
	Zn	2.8U	42		

Sample results were qualified as indicated above.

#### Field Duplicates

Samples SJMC-081015-11/-12, SJHB-081015-11/-12 and SJME-081115-11/-12 are field duplicate pairs and calculated RPDs were less than the 30% criteria for waters with the following exceptions:

- Total Manganese was estimated in samples SJHB-081015-11 and -12:

Positive and non-detected results for TSS; total and dissolved aluminum, iron, potassium; total barium, copper, lead, manganese, nickel, zinc; dissolved arsenic, barium, chromium, cobalt, copper, lead, nickel, and vanadium were estimated in samples SJME-081115-11 and -12; direction of bias uncertain.

Positive and non-detected results for Total selenium; dissolved copper, lead, manganese, vanadium, zinc, aluminum, and iron were estimated (J/UJ) in samples SJMC-081015-11 and -12.

#### Sample Dilution and Detection Limits

The laboratory correctly “J” flagged results less than the reporting limits. The data validator retained the J qualifier unless the analyte was qualified as non-detected for blank contamination.

Total metals samples SJMH-081015-11 and SJHB-081115-11 required a 10 fold dilution for potassium.

Total Barium was qualified with an “E” by the lab in samples 680-115487-8 and -24 indicating concentration was above the calibration range of the instrument and should be considered an estimated value. The validator replaced the “E” with a J; direction of bias is uncertain.

Raw data were not provided or evaluated for this Level 2 package to verify results and analytical dilution.

### DATA QUALIFIER DEFINITIONS

For the purpose of Data Validation, the following code letters and associated definitions are provided for use by the data validator to summarize the data quality.

- R - Reported value is “rejected.” Resampling or reanalysis may be necessary to verify the presence or absence of the compound.
- J - The associated numerical value is an estimated quantity because the Quality Control criteria were not met.
- J+ - The associated numerical value is estimated with a high bias because the Quality Control criteria were not met.
- J- - The associated numerical value is estimated with a low bias because the Quality Control criteria were not met.
- UJ - The reported quantitation limit is estimated because Quality Control criteria were not met. Element or compound was not detected.
- U - The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- NR - Result was not used from a particular sample analysis. This typically occurs when more than one result for an element is reported due to dilutions and reanalyses.

**ATTACHMENT**  
**RESULTS SUMMARY SHEETS WITH QUALIFIERS**



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJMC-081015-12

Lab Sample ID: 680-115487-1

Date Collected: 08/10/15 13:40

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	59000		200	24	ug/L		08/12/15 12:57	08/12/15 19:45	1
Calcium	100000		500	25	ug/L		08/12/15 12:57	08/12/15 19:45	1
Iron	51000		50	17	ug/L		08/12/15 12:57	08/12/15 19:45	1
Magnesium	23000		500	33	ug/L		08/12/15 12:57	08/12/15 19:45	1
Potassium	12000		1000	17	ug/L		08/12/15 12:57	08/12/15 19:45	1
Sodium	34000		1000	480	ug/L		08/12/15 12:57	08/12/15 19:45	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	2300	J	200	24	ug/L		08/12/15 12:57	08/12/15 21:20	1
Calcium, Dissolved	58000		500	25	ug/L		08/12/15 12:57	08/12/15 21:20	1
Iron, Dissolved	1800	J	50	17	ug/L		08/12/15 12:57	08/12/15 21:20	1
Potassium, Dissolved	3500		1000	17	ug/L		08/12/15 12:57	08/12/15 21:20	1
Magnesium, Dissolved	8400		500	33	ug/L		08/12/15 12:57	08/12/15 21:20	1
Sodium, Dissolved	33000		1000	480	ug/L		08/12/15 12:57	08/12/15 21:20	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:41	1
Arsenic	13		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 18:41	1
Barium	700		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 18:41	1
Beryllium	3.6		0.40	0.15	ug/L		08/12/15 12:57	08/12/15 18:41	1
Cadmium	0.34		0.10	0.043	ug/L		08/12/15 12:57	08/12/15 18:41	1
Chromium	33		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 18:41	1
Cobalt	24		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 18:41	1
Copper	64		1.0	0.50	ug/L		08/12/15 12:57	08/12/15 18:41	1
Lead	77		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 18:41	1
Manganese	1200		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 18:41	1
Nickel	33		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:41	1
Selenium	3.3	J+	2.0	0.58	ug/L		08/12/15 12:57	08/12/15 18:41	1
Silver	0.52	J	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 18:41	1
Thallium	0.64		0.20	0.10	ug/L		08/12/15 12:57	08/12/15 18:41	1
Vanadium	80		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 18:41	1
Zinc	180		20	2.8	ug/L		08/12/15 12:57	08/12/15 18:41	1
Molybdenum	1.6	J-	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 18:41	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:05	1
Arsenic, Dissolved	1.2		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 18:05	1
Barium, Dissolved	94		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 18:05	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 12:57	08/12/15 18:05	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 12:57	08/12/15 18:05	1
Chromium, Dissolved	2.0		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 18:05	1
Cobalt, Dissolved	0.92		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 18:05	1
Copper, Dissolved	4.8	J+	1.0	0.50	ug/L		08/12/15 12:57	08/12/15 18:05	1
Lead, Dissolved	2.8		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 18:05	1
Manganese, Dissolved	36		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 18:05	1
Molybdenum, Dissolved	2.2	J-	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 18:05	1
Nickel, Dissolved	2.4		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:05	1

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DFB 8/13/15

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJMC-081015-12

Lab Sample ID: 680-115487-1

Date Collected: 08/10/15 13:40

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	1.3	J	2.0	0.58	ug/L	-	08/12/15 12:57	08/12/15 18:05	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:05	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:05	1
Vanadium, Dissolved	6.0		1.0	0.30	ug/L	-	08/12/15 12:57	08/12/15 18:05	1
Zinc, Dissolved	8.1	J	20	2.8	ug/L	-	08/12/15 12:57	08/12/15 18:05	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	340		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U ^	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:14	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:58	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.22	HF			SU	-		08/12/15 22:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	98		5.0	5.0	mg/L	-		08/12/15 22:03	1
Total Suspended Solids	2800		50	50	mg/L	-		08/12/15 13:03	1

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# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJME-081015-11

Lab Sample ID: 680-115487-2

Date Collected: 08/10/15 14:40

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	78000		200	24	ug/L	-	08/12/15 12:57	08/12/15 20:00	1
Calcium	96000		500	25	ug/L	-	08/12/15 12:57	08/12/15 20:00	1
Iron	66000		50	17	ug/L	-	08/12/15 12:57	08/12/15 20:00	1
Magnesium	24000		500	33	ug/L	-	08/12/15 12:57	08/12/15 20:00	1
Potassium	15000		1000	17	ug/L	-	08/12/15 12:57	08/12/15 20:00	1
Sodium	35000		1000	480	ug/L	-	08/12/15 12:57	08/12/15 20:00	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	2200		200	24	ug/L	-	08/12/15 12:57	08/12/15 21:23	1
Calcium, Dissolved	53000		500	25	ug/L	-	08/12/15 12:57	08/12/15 21:23	1
Iron, Dissolved	1600		50	17	ug/L	-	08/12/15 12:57	08/12/15 21:23	1
Potassium, Dissolved	3400		1000	17	ug/L	-	08/12/15 12:57	08/12/15 21:23	1
Magnesium, Dissolved	6700		500	33	ug/L	-	08/12/15 12:57	08/12/15 21:23	1
Sodium, Dissolved	32000		1000	480	ug/L	-	08/12/15 12:57	08/12/15 21:23	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U <i>UJ</i>	1.0	0.40	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Arsenic	15		1.0	0.37	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Barium	830		2.0	0.14	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Beryllium	4.4		0.40	0.15	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Cadmium	0.31		0.10	0.043	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Chromium	41		2.0	1.0	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Cobalt	30		0.40	0.12	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Copper	79	<i>J</i>	1.0	0.50	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Lead	78		0.30	0.060	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Manganese	1400		2.5	1.2	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Nickel	41		1.0	0.40	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Selenium	3.6	<i>J+</i>	2.0	0.58	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Silver	0.54	<i>J</i>	1.0	0.10	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Thallium	0.78		0.20	0.10	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Vanadium	99		1.0	0.30	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Zinc	220		20	2.8	ug/L	-	08/12/15 12:57	08/12/15 19:06	1
Molybdenum	1.6	<i>J-</i>	1.0	0.45	ug/L	-	08/12/15 12:57	08/12/15 19:06	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U <i>UJ</i>	1.0	0.40	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Arsenic, Dissolved	1.3		1.0	0.37	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Barium, Dissolved	92		2.0	0.14	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Chromium, Dissolved	1.9	<i>J</i>	2.0	1.0	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Cobalt, Dissolved	0.83		0.40	0.12	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Copper, Dissolved	4.5	<i>J+</i>	1.0	0.50	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Lead, Dissolved	2.1		0.30	0.060	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Manganese, Dissolved	31		2.5	1.2	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Molybdenum, Dissolved	2.1	<i>J-</i>	1.0	0.45	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Nickel, Dissolved	2.3		1.0	0.40	ug/L	-	08/12/15 12:57	08/12/15 18:09	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJME-081015-11

Lab Sample ID: 680-115487-2

Date Collected: 08/10/15 14:40

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.98	JB	2.0	0.58	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Vanadium, Dissolved	6.2		1.0	0.30	ug/L	-	08/12/15 12:57	08/12/15 18:09	1
Zinc, Dissolved	7.1	J	20	2.8	ug/L	-	08/12/15 12:57	08/12/15 18:09	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	340		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.096	J ^	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:17	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 23:08	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.20	HF	NONE	NONE	SU	-		08/12/15 22:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	92		5.0	5.0	mg/L	-		08/12/15 22:10	1
Total Suspended Solids	3200		50	50	mg/L	-		08/12/15 13:03	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJMC-081015-11

Lab Sample ID: 680-115487-3

Date Collected: 08/10/15 13:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	69000		200	24	ug/L	-	08/12/15 12:57	08/12/15 20:30	1
Calcium	97000		500	25	ug/L	-	08/12/15 12:57	08/12/15 20:30	1
Iron	58000		50	17	ug/L	-	08/12/15 12:57	08/12/15 20:30	1
Magnesium	24000		500	33	ug/L	-	08/12/15 12:57	08/12/15 20:30	1
Potassium	14000		1000	17	ug/L	-	08/12/15 12:57	08/12/15 20:30	1
Sodium	32000		1000	480	ug/L	-	08/12/15 12:57	08/12/15 20:30	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U <i>UT</i>	200	24	ug/L	-	08/12/15 12:57	08/12/15 21:27	1
Calcium, Dissolved	54000		500	25	ug/L	-	08/12/15 12:57	08/12/15 21:27	1
Iron, Dissolved	17	U <i>UT</i>	50	17	ug/L	-	08/12/15 12:57	08/12/15 21:27	1
Potassium, Dissolved	2900		1000	17	ug/L	-	08/12/15 12:57	08/12/15 21:27	1
Magnesium, Dissolved	7400		500	33	ug/L	-	08/12/15 12:57	08/12/15 21:27	1
Sodium, Dissolved	30000		1000	480	ug/L	-	08/12/15 12:57	08/12/15 21:27	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U <i>UT</i>	1.0	0.40	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Arsenic	14		1.0	0.37	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Barium	730		2.0	0.14	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Beryllium	3.6		0.40	0.15	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Cadmium	0.26		0.10	0.043	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Chromium	37		2.0	1.0	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Cobalt	25		0.40	0.12	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Copper	64		1.0	0.50	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Lead	76		0.30	0.060	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Manganese	1200		2.5	1.2	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Nickel	35		1.0	0.40	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Selenium	4.5	<i>J+</i>	2.0	0.58	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Silver	0.49	J	1.0	0.10	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Thallium	0.68		0.20	0.10	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Vanadium	92		1.0	0.30	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Zinc	190		20	2.8	ug/L	-	08/12/15 12:57	08/12/15 19:31	1
Molybdenum	2.1	<i>J-</i>	1.0	0.45	ug/L	-	08/12/15 12:57	08/12/15 19:31	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U <i>UT</i>	1.0	0.40	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Arsenic, Dissolved	0.88	J	1.0	0.37	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Barium, Dissolved	73		2.0	0.14	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Cobalt, Dissolved	0.12	J	0.40	0.12	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Copper, Dissolved	2.5	<i>J+</i>	1.0	0.50	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Lead, Dissolved	0.060	U <i>UT</i>	0.30	0.060	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Manganese, Dissolved	1.2	U <i>UT</i>	2.5	1.2	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Molybdenum, Dissolved	2.0	<i>J-</i>	1.0	0.45	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Nickel, Dissolved	1.2		1.0	0.40	ug/L	-	08/12/15 12:57	08/12/15 18:13	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJMC-081015-11

Lab Sample ID: 680-115487-3

Date Collected: 08/10/15 13:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	1.2	UB	2.0	0.58	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Vanadium, Dissolved	1.8	J	1.0	0.30	ug/L	-	08/12/15 12:57	08/12/15 18:13	1
Zinc, Dissolved	2.8	UT	20	2.8	ug/L	-	08/12/15 12:57	08/12/15 18:13	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	340		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U^	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:21	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 23:11	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.22	HF			SU	-		08/12/15 22:17	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	97		5.0	5.0	mg/L	-		08/12/15 22:17	1
Total Suspended Solids	3200		67	67	mg/L	-		08/12/15 13:03	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJ4C-081015-11

Lab Sample ID: 680-115487-4

Date Collected: 08/10/15 15:05

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	82000		200	24	ug/L		08/12/15 12:57	08/12/15 20:34	1
Calcium	84000		500	25	ug/L		08/12/15 12:57	08/12/15 20:34	1
Iron	70000		50	17	ug/L		08/12/15 12:57	08/12/15 20:34	1
Magnesium	23000		500	33	ug/L		08/12/15 12:57	08/12/15 20:34	1
Potassium	16000		1000	17	ug/L		08/12/15 12:57	08/12/15 20:34	1
Sodium	36000		1000	480	ug/L		08/12/15 12:57	08/12/15 20:34	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	28	J	200	24	ug/L		08/12/15 12:57	08/12/15 21:31	1
Calcium, Dissolved	48000		500	25	ug/L		08/12/15 12:57	08/12/15 21:31	1
Iron, Dissolved	68		50	17	ug/L		08/12/15 12:57	08/12/15 21:31	1
Potassium, Dissolved	3000		1000	17	ug/L		08/12/15 12:57	08/12/15 21:31	1
Magnesium, Dissolved	5700		500	33	ug/L		08/12/15 12:57	08/12/15 21:31	1
Sodium, Dissolved	34000		1000	480	ug/L		08/12/15 12:57	08/12/15 21:31	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:35	1
Arsenic	16		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 19:35	1
Barium	810		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 19:35	1
Beryllium	4.5		0.40	0.15	ug/L		08/12/15 12:57	08/12/15 19:35	1
Cadmium	0.32		0.10	0.043	ug/L		08/12/15 12:57	08/12/15 19:35	1
Chromium	44		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 19:35	1
Cobalt	31		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 19:35	1
Copper	74	B	1.0	0.50	ug/L		08/12/15 12:57	08/12/15 19:35	1
Lead	71		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 19:35	1
Manganese	1400		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 19:35	1
Nickel	40		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:35	1
Selenium	4.2	B J+	2.0	0.58	ug/L		08/12/15 12:57	08/12/15 19:35	1
Silver	0.42	J	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 19:35	1
Thallium	0.81		0.20	0.10	ug/L		08/12/15 12:57	08/12/15 19:35	1
Vanadium	110		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 19:35	1
Zinc	220		20	2.8	ug/L		08/12/15 12:57	08/12/15 19:35	1
Molybdenum	1.5	J-	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 19:35	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:17	1
Arsenic, Dissolved	1.0		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 18:17	1
Barium, Dissolved	68		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 18:17	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 12:57	08/12/15 18:17	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 12:57	08/12/15 18:17	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 12:57	08/12/15 18:17	1
Cobalt, Dissolved	1.3		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 18:17	1
Copper, Dissolved	2.4	B J+	1.0	0.50	ug/L		08/12/15 12:57	08/12/15 18:17	1
Lead, Dissolved	0.077	J	0.30	0.060	ug/L		08/12/15 12:57	08/12/15 18:17	1
Manganese, Dissolved	3.1		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 18:17	1
Molybdenum, Dissolved	1.9	J-	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 18:17	1
Nickel, Dissolved	1.2		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:17	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJ4C-081015-11

Lab Sample ID: 680-115487-4

Date Collected: 08/10/15 15:05

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.63	B	2.0	0.58	ug/L	-	08/12/15 12:57	08/12/15 18:17	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:17	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:17	1
Vanadium, Dissolved	1.6		1.0	0.30	ug/L	-	08/12/15 12:57	08/12/15 18:17	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 12:57	08/12/15 18:17	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	300		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17	J	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:30	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 23:14	1

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.22		NONE	NONE	SU	-		08/12/15 22:24	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	83		5.0	5.0	mg/L	-		08/12/15 22:24	1
Total Suspended Solids	4000		67	67	mg/L	-		08/12/15 13:03	1

TestAmerica Savannah



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJSR-081015-11

Lab Sample ID: 680-115487-5

Date Collected: 08/10/15 12:10

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	81000		200	24	ug/L		08/12/15 12:57	08/12/15 20:38	1
Calcium	84000		500	25	ug/L		08/12/15 12:57	08/12/15 20:38	1
Iron	65000		50	17	ug/L		08/12/15 12:57	08/12/15 20:38	1
Magnesium	21000		500	33	ug/L		08/12/15 12:57	08/12/15 20:38	1
Potassium	14000		1000	17	ug/L		08/12/15 12:57	08/12/15 20:38	1
Sodium	33000		1000	480	ug/L		08/12/15 12:57	08/12/15 20:38	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 12:57	08/12/15 21:42	1
Calcium, Dissolved	48000		500	25	ug/L		08/12/15 12:57	08/12/15 21:42	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 12:57	08/12/15 21:42	1
Potassium, Dissolved	2900		1000	17	ug/L		08/12/15 12:57	08/12/15 21:42	1
Magnesium, Dissolved	5600		500	33	ug/L		08/12/15 12:57	08/12/15 21:42	1
Sodium, Dissolved	30000		1000	480	ug/L		08/12/15 12:57	08/12/15 21:42	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:39	1
Arsenic	15		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 19:39	1
Barium	830		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 19:39	1
Beryllium	4.4		0.40	0.15	ug/L		08/12/15 12:57	08/12/15 19:39	1
Cadmium	0.22		0.10	0.043	ug/L		08/12/15 12:57	08/12/15 19:39	1
Chromium	40		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 19:39	1
Cobalt	30		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 19:39	1
Copper	70		1.0	0.50	ug/L		08/12/15 12:57	08/12/15 19:39	1
Lead	62		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 19:39	1
Manganese	1300		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 19:39	1
Nickel	36		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:39	1
Selenium	3.5		2.0	0.58	ug/L		08/12/15 12:57	08/12/15 19:39	1
Silver	0.36	J	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 19:39	1
Thallium	0.74		0.20	0.10	ug/L		08/12/15 12:57	08/12/15 19:39	1
Vanadium	100		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 19:39	1
Zinc	180		20	2.8	ug/L		08/12/15 12:57	08/12/15 19:39	1
Molybdenum	1.4		1.0	0.45	ug/L		08/12/15 12:57	08/12/15 19:39	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:21	1
Arsenic, Dissolved	0.86	J	1.0	0.37	ug/L		08/12/15 12:57	08/12/15 18:21	1
Barium, Dissolved	66		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 18:21	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 12:57	08/12/15 18:21	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 12:57	08/12/15 18:21	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 12:57	08/12/15 18:21	1
Cobalt, Dissolved	1.5		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 18:21	1
Copper, Dissolved	2.0		1.0	0.50	ug/L		08/12/15 12:57	08/12/15 18:21	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 12:57	08/12/15 18:21	1
Manganese, Dissolved	2.9		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 18:21	1
Molybdenum, Dissolved	1.7		1.0	0.45	ug/L		08/12/15 12:57	08/12/15 18:21	1
Nickel, Dissolved	1.2		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:21	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJSR-081015-11

Lab Sample ID: 680-115487-5

Date Collected: 08/10/15 12:10

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.87	B	2.0	0.58	ug/L	-	08/12/15 12:57	08/12/15 18:21	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:21	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:21	1
Vanadium, Dissolved	1.5		1.0	0.30	ug/L	-	08/12/15 12:57	08/12/15 18:21	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 12:57	08/12/15 18:21	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	300		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	J	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:33	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 23:17	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.19	HF	NONE	NONE	SU	-		08/12/15 22:31	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	95		5.0	5.0	mg/L	-		08/12/15 22:31	1
Total Suspended Solids	3300		100	100	mg/L	-		08/12/15 13:03	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJFP-081015-11

Lab Sample ID: 680-115487-6

Date Collected: 08/10/15 10:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		200	24	ug/L		08/12/15 12:57	08/12/15 20:42	1
Calcium	56000		500	25	ug/L		08/12/15 12:57	08/12/15 20:42	1
Iron	8700		50	17	ug/L		08/12/15 12:57	08/12/15 20:42	1
Magnesium	9000		500	33	ug/L		08/12/15 12:57	08/12/15 20:42	1
Potassium	4400		1000	17	ug/L		08/12/15 12:57	08/12/15 20:42	1
Sodium	19000		1000	480	ug/L		08/12/15 12:57	08/12/15 20:42	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 12:57	08/12/15 21:46	1
Calcium, Dissolved	50000		500	25	ug/L		08/12/15 12:57	08/12/15 21:46	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 12:57	08/12/15 21:46	1
Potassium, Dissolved	2300		1000	17	ug/L		08/12/15 12:57	08/12/15 21:46	1
Magnesium, Dissolved	6700		500	33	ug/L		08/12/15 12:57	08/12/15 21:46	1
Sodium, Dissolved	19000		1000	480	ug/L		08/12/15 12:57	08/12/15 21:46	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:43	1
Arsenic	4.3		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 19:43	1
Barium	170		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 19:43	1
Beryllium	0.60		0.40	0.15	ug/L		08/12/15 12:57	08/12/15 19:43	1
Cadmium	0.043	U	0.10	0.043	ug/L		08/12/15 12:57	08/12/15 19:43	1
Chromium	8.0		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 19:43	1
Cobalt	3.9		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 19:43	1
Copper	13		1.0	0.50	ug/L		08/12/15 12:57	08/12/15 19:43	1
Lead	18		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 19:43	1
Manganese	210		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 19:43	1
Nickel	6.2		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:43	1
Selenium	2.3		2.0	0.58	ug/L		08/12/15 12:57	08/12/15 19:43	1
Silver	0.13	J	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 19:43	1
Thallium	0.12	J	0.20	0.10	ug/L		08/12/15 12:57	08/12/15 19:43	1
Vanadium	16		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 19:43	1
Zinc	38		20	2.8	ug/L		08/12/15 12:57	08/12/15 19:43	1
Molybdenum	1.5		1.0	0.45	ug/L		08/12/15 12:57	08/12/15 19:43	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	1.3		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:25	1
Arsenic, Dissolved	0.70	J	1.0	0.37	ug/L		08/12/15 12:57	08/12/15 18:25	1
Barium, Dissolved	68		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 18:25	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 12:57	08/12/15 18:25	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 12:57	08/12/15 18:25	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 12:57	08/12/15 18:25	1
Cobalt, Dissolved	0.24	J	0.40	0.12	ug/L		08/12/15 12:57	08/12/15 18:25	1
Copper, Dissolved	1.5		1.0	0.50	ug/L		08/12/15 12:57	08/12/15 18:25	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 12:57	08/12/15 18:25	1
Manganese, Dissolved	7.3		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 18:25	1
Molybdenum, Dissolved	1.3		1.0	0.45	ug/L		08/12/15 12:57	08/12/15 18:25	1
Nickel, Dissolved	1.0		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:25	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJFP-081015-11

Lab Sample ID: 680-115487-6

Date Collected: 08/10/15 10:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.82	J B	2.0	0.58	ug/L	-	08/12/15 12:57	08/12/15 18:25	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:25	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 12:57	08/12/15 18:25	1
Vanadium, Dissolved	0.99	J	1.0	0.30	ug/L	-	08/12/15 12:57	08/12/15 18:25	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 12:57	08/12/15 18:25	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	180		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:36	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 23:20	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.19	MF	NONE	NONE	SU	-		08/12/15 22:40	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	98		5.0	5.0	mg/L	-		08/12/15 22:40	1
Total Suspended Solids	840		20	20	mg/L	-		08/12/15 13:03	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJBB-081015-11

Lab Sample ID: 680-115487-7

Date Collected: 08/10/15 12:40

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	42000		200	24	ug/L		08/12/15 12:57	08/12/15 20:46	1
Calcium	100000		500	25	ug/L		08/12/15 12:57	08/12/15 20:46	1
Iron	39000		50	17	ug/L		08/12/15 12:57	08/12/15 20:46	1
Magnesium	21000		500	33	ug/L		08/12/15 12:57	08/12/15 20:46	1
Potassium	11000		1000	17	ug/L		08/12/15 12:57	08/12/15 20:46	1
Sodium	29000		1000	480	ug/L		08/12/15 12:57	08/12/15 20:46	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	200		200	24	ug/L		08/12/15 12:57	08/12/15 21:50	1
Calcium, Dissolved	57000		500	25	ug/L		08/12/15 12:57	08/12/15 21:50	1
Iron, Dissolved	88		50	17	ug/L		08/12/15 12:57	08/12/15 21:50	1
Potassium, Dissolved	3100		1000	17	ug/L		08/12/15 12:57	08/12/15 21:50	1
Magnesium, Dissolved	7900		500	33	ug/L		08/12/15 12:57	08/12/15 21:50	1
Sodium, Dissolved	27000		1000	480	ug/L		08/12/15 12:57	08/12/15 21:50	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U <i>UJ</i>	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:48	1
Arsenic	13		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 19:48	1
Barium	610		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 19:48	1
Beryllium	2.4		0.40	0.15	ug/L		08/12/15 12:57	08/12/15 19:48	1
Cadmium	0.27		0.10	0.043	ug/L		08/12/15 12:57	08/12/15 19:48	1
Chromium	25		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 19:48	1
Cobalt	18		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 19:48	1
Copper	56	<i>J</i>	1.0	0.50	ug/L		08/12/15 12:57	08/12/15 19:48	1
Lead	120		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 19:48	1
Manganese	950		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 19:48	1
Nickel	26		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:48	1
Selenium	3.9	<i>B/J+</i>	2.0	0.58	ug/L		08/12/15 12:57	08/12/15 19:48	1
Silver	0.86	<i>J</i>	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 19:48	1
Thallium	0.48		0.20	0.10	ug/L		08/12/15 12:57	08/12/15 19:48	1
Vanadium	63		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 19:48	1
Zinc	160		20	2.8	ug/L		08/12/15 12:57	08/12/15 19:48	1
Molybdenum	2.3	<i>J</i>	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 19:48	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U <i>UJ</i>	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:29	1
Arsenic, Dissolved	0.80	<i>J</i>	1.0	0.37	ug/L		08/12/15 12:57	08/12/15 18:29	1
Barium, Dissolved	77		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 18:29	1
Beryllium, Dissolved	0.15	<i>U</i>	0.40	0.15	ug/L		08/12/15 12:57	08/12/15 18:29	1
Cadmium, Dissolved	0.043	<i>U</i>	0.10	0.043	ug/L		08/12/15 12:57	08/12/15 18:29	1
Chromium, Dissolved	1.0	<i>U</i>	2.0	1.0	ug/L		08/12/15 12:57	08/12/15 18:29	1
Cobalt, Dissolved	0.42		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 18:29	1
Copper, Dissolved	2.5	<i>B/J+</i>	1.0	0.50	ug/L		08/12/15 12:57	08/12/15 18:29	1
Lead, Dissolved	0.29	<i>J</i>	0.30	0.060	ug/L		08/12/15 12:57	08/12/15 18:29	1
Manganese, Dissolved	2.8		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 18:29	1
Molybdenum, Dissolved	2.1	<i>J</i>	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 18:29	1
Nickel, Dissolved	1.1		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 18:29	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJBB-081015-11

Lab Sample ID: 680-115487-7

Date Collected: 08/10/15 12:40

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	1.4	JB	2.0	0.58	ug/L		08/12/15 12:57	08/12/15 18:29	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 18:29	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/12/15 12:57	08/12/15 18:29	1
Vanadium, Dissolved	1.7		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 18:29	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/12/15 12:57	08/12/15 18:29	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	340		3.3	3.3	mg/L			08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/12/15 15:13	08/12/15 22:40	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/12/15 15:13	08/12/15 23:23	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.20	HF	NONE	NONE	SU			08/12/15 22:46	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	94		5.0	5.0	mg/L			08/12/15 22:46	1
Total Suspended Solids	2300		50	50	mg/L			08/12/15 13:03	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJMH-081015-11

Lab Sample ID: 680-115487-8

Date Collected: 08/10/15 11:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	210000		200	24	ug/L		08/12/15 12:57	08/12/15 20:57	1
Calcium	360000		500	25	ug/L		08/12/15 12:57	08/12/15 20:57	1
Iron	110000		50	17	ug/L		08/12/15 12:57	08/12/15 20:57	1
Magnesium	83000		500	33	ug/L		08/12/15 12:57	08/12/15 20:57	1
Potassium	58000		10000	170	ug/L		08/12/15 12:57	08/13/15 10:20	10
Sodium	51000		1000	480	ug/L		08/12/15 12:57	08/12/15 20:57	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	31	J	200	24	ug/L		08/12/15 13:31	08/12/15 23:42	1
Calcium, Dissolved	51000		500	25	ug/L		08/12/15 13:31	08/12/15 23:42	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 13:31	08/12/15 23:42	1
Potassium, Dissolved	3900		1000	17	ug/L		08/12/15 13:31	08/12/15 23:42	1
Magnesium, Dissolved	8000		500	33	ug/L		08/12/15 13:31	08/12/15 23:42	1
Sodium, Dissolved	43000		1000	480	ug/L		08/12/15 13:31	08/12/15 23:42	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/13/15 05:44	1
Arsenic	22		1.0	0.37	ug/L		08/12/15 12:57	08/13/15 05:44	1
Barium	2200	E	2.0	0.14	ug/L		08/12/15 12:57	08/13/15 05:44	1
Beryllium	10		0.40	0.15	ug/L		08/12/15 12:57	08/13/15 05:44	1
Cadmium	0.62		0.10	0.043	ug/L		08/12/15 12:57	08/13/15 05:44	1
Chromium	110		2.0	1.0	ug/L		08/12/15 12:57	08/13/15 05:44	1
Cobalt	59		0.40	0.12	ug/L		08/12/15 12:57	08/13/15 05:44	1
Copper	94		1.0	0.50	ug/L		08/12/15 12:57	08/13/15 05:44	1
Lead	90		0.30	0.060	ug/L		08/12/15 12:57	08/13/15 05:44	1
Manganese	3500		2.5	1.2	ug/L		08/12/15 12:57	08/13/15 05:44	1
Nickel	120		1.0	0.40	ug/L		08/12/15 12:57	08/13/15 05:44	1
Selenium	4.9	J+	2.0	0.58	ug/L		08/12/15 12:57	08/13/15 05:44	1
Silver	0.46	J	1.0	0.10	ug/L		08/12/15 12:57	08/13/15 05:44	1
Thallium	1.6		0.20	0.10	ug/L		08/12/15 12:57	08/13/15 05:44	1
Vanadium	190		1.0	0.30	ug/L		08/12/15 12:57	08/13/15 05:44	1
Zinc	290		20	2.8	ug/L		08/12/15 12:57	08/13/15 05:44	1
Molybdenum	2.4	J-	1.0	0.45	ug/L		08/12/15 12:57	08/13/15 05:44	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:07	1
Arsenic, Dissolved	1.6		1.0	0.37	ug/L		08/12/15 13:31	08/12/15 23:07	1
Barium, Dissolved	150		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 23:07	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 13:31	08/12/15 23:07	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 13:31	08/12/15 23:07	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 23:07	1
Cobalt, Dissolved	1.7		0.40	0.12	ug/L		08/12/15 13:31	08/12/15 23:07	1
Copper, Dissolved	2.6	J+	1.0	0.50	ug/L		08/12/15 13:31	08/12/15 23:07	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 13:31	08/12/15 23:07	1
Manganese, Dissolved	3.1		2.5	1.2	ug/L		08/12/15 13:31	08/12/15 23:07	1
Molybdenum, Dissolved	2.5	J-	1.0	0.45	ug/L		08/12/15 13:31	08/12/15 23:07	1
Nickel, Dissolved	1.5		1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:07	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJMH-081015-11

Lab Sample ID: 680-115487-8

Date Collected: 08/10/15 11:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	1.6	JB <i>2.04</i>	2.0	0.58	ug/L	-	08/12/15 13:31	08/12/15 23:07	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:07	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:07	1
Vanadium, Dissolved	7.3		1.0	0.30	ug/L	-	08/12/15 13:31	08/12/15 23:07	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 13:31	08/12/15 23:07	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	1200		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12	J	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:43	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 16:44	08/13/15 00:29	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.17	HF <i>J</i>			SU	-		08/12/15 23:05	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	110		5.0	5.0	mg/L	-		08/12/15 23:05	1
Total Suspended Solids	7400		100	100	mg/L	-		08/12/15 13:03	1

TestAmerica Savannah



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: MECT-081015-11

Lab Sample ID: 680-115487-9

Date Collected: 08/10/15 14:15

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9800		200	24	ug/L		08/12/15 12:57	08/12/15 21:01	1
Calcium	190000		500	25	ug/L		08/12/15 12:57	08/12/15 21:01	1
Iron	7400		50	17	ug/L		08/12/15 12:57	08/12/15 21:01	1
Magnesium	77000		500	33	ug/L		08/12/15 12:57	08/12/15 21:01	1
Potassium	9000		1000	17	ug/L		08/12/15 12:57	08/12/15 21:01	1
Sodium	72000		1000	480	ug/L		08/12/15 12:57	08/12/15 21:01	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 13:31	08/12/15 23:47	1
Calcium, Dissolved	170000		500	25	ug/L		08/12/15 13:31	08/12/15 23:47	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 13:31	08/12/15 23:47	1
Potassium, Dissolved	5500		1000	17	ug/L		08/12/15 13:31	08/12/15 23:47	1
Magnesium, Dissolved	71000		500	33	ug/L		08/12/15 13:31	08/12/15 23:47	1
Sodium, Dissolved	70000		1000	480	ug/L		08/12/15 13:31	08/12/15 23:47	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U <i>UJ</i>	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:52	1
Arsenic	4.5		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 19:52	1
Barium	180		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 19:52	1
Beryllium	0.53		0.40	0.15	ug/L		08/12/15 12:57	08/12/15 19:52	1
Cadmium	0.10		0.10	0.043	ug/L		08/12/15 12:57	08/12/15 19:52	1
Chromium	7.5		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 19:52	1
Cobalt	3.4		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 19:52	1
Copper	9.5	<i>B</i>	1.0	0.50	ug/L		08/12/15 12:57	08/12/15 19:52	1
Lead	7.0		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 19:52	1
Manganese	310		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 19:52	1
Nickel	9.9		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:52	1
Selenium	2.9	<i>B J+</i>	2.0	0.58	ug/L		08/12/15 12:57	08/12/15 19:52	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 19:52	1
Thallium	0.17	J	0.20	0.10	ug/L		08/12/15 12:57	08/12/15 19:52	1
Vanadium	20		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 19:52	1
Zinc	28		20	2.8	ug/L		08/12/15 12:57	08/12/15 19:52	1
Molybdenum	3.6	<i>J-</i>	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 19:52	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U <i>UJ</i>	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:11	1
Arsenic, Dissolved	1.3		1.0	0.37	ug/L		08/12/15 13:31	08/12/15 23:11	1
Barium, Dissolved	85		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 23:11	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 13:31	08/12/15 23:11	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 13:31	08/12/15 23:11	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 23:11	1
Cobalt, Dissolved	0.45		0.40	0.12	ug/L		08/12/15 13:31	08/12/15 23:11	1
Copper, Dissolved	3.0	<i>J+</i>	1.0	0.50	ug/L		08/12/15 13:31	08/12/15 23:11	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 13:31	08/12/15 23:11	1
Manganese, Dissolved	1.8	J	2.5	1.2	ug/L		08/12/15 13:31	08/12/15 23:11	1
Molybdenum, Dissolved	3.1	<i>J-</i>	1.0	0.45	ug/L		08/12/15 13:31	08/12/15 23:11	1
Nickel, Dissolved	3.8		1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:11	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-9

Client Sample ID: MECT-081015-11

Lab Sample ID: 680-115487-9

Date Collected: 08/10/15 14:15

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	1.3	B	2.0	0.58	ug/L	-	08/12/15 13:31	08/12/15 23:11	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:11	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:11	1
Vanadium, Dissolved	2.6		1.0	0.30	ug/L	-	08/12/15 13:31	08/12/15 23:11	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 13:31	08/12/15 23:11	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	800		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U ^	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:02	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 16:44	08/13/15 00:32	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.38	MF			SU	-		08/12/15 23:12	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	220		5.0	5.0	mg/L	-		08/12/15 23:12	1
Total Suspended Solids	430		20	20	mg/L	-		08/12/15 13:03	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJLP-081015-11

Lab Sample ID: 680-115487-10

Date Collected: 08/10/15 09:40

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		200	24	ug/L		08/12/15 12:57	08/12/15 21:04	1
Calcium	56000		500	25	ug/L		08/12/15 12:57	08/12/15 21:04	1
Iron	11000		50	17	ug/L		08/12/15 12:57	08/12/15 21:04	1
Magnesium	9300		500	33	ug/L		08/12/15 12:57	08/12/15 21:04	1
Potassium	4900		1000	17	ug/L		08/12/15 12:57	08/12/15 21:04	1
Sodium	18000		1000	480	ug/L		08/12/15 12:57	08/12/15 21:04	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 13:31	08/12/15 23:51	1
Calcium, Dissolved	50000		500	25	ug/L		08/12/15 13:31	08/12/15 23:51	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 13:31	08/12/15 23:51	1
Potassium, Dissolved	2300		1000	17	ug/L		08/12/15 13:31	08/12/15 23:51	1
Magnesium, Dissolved	6500		500	33	ug/L		08/12/15 13:31	08/12/15 23:51	1
Sodium, Dissolved	17000		1000	480	ug/L		08/12/15 13:31	08/12/15 23:51	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U <i>UT</i>	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:56	1
Arsenic	3.6		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 19:56	1
Barium	260		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 19:56	1
Beryllium	0.70		0.40	0.15	ug/L		08/12/15 12:57	08/12/15 19:56	1
Cadmium	0.14		0.10	0.043	ug/L		08/12/15 12:57	08/12/15 19:56	1
Chromium	8.3		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 19:56	1
Cobalt	5.2		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 19:56	1
Copper	15	<i>B</i>	1.0	0.50	ug/L		08/12/15 12:57	08/12/15 19:56	1
Lead	21		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 19:56	1
Manganese	270		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 19:56	1
Nickel	7.7		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 19:56	1
Selenium	1.4	<i>B 200U</i>	2.0	0.58	ug/L		08/12/15 12:57	08/12/15 19:56	1
Silver	0.13	J	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 19:56	1
Thallium	0.14	J	0.20	0.10	ug/L		08/12/15 12:57	08/12/15 19:56	1
Vanadium	19		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 19:56	1
Zinc	50		20	2.8	ug/L		08/12/15 12:57	08/12/15 19:56	1
Molybdenum	1.4	<i>J-</i>	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 19:56	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U <i>UT</i>	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:15	1
Arsenic, Dissolved	0.56	J	1.0	0.37	ug/L		08/12/15 13:31	08/12/15 23:15	1
Barium, Dissolved	70		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 23:15	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 13:31	08/12/15 23:15	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 13:31	08/12/15 23:15	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 23:15	1
Cobalt, Dissolved	0.52		0.40	0.12	ug/L		08/12/15 13:31	08/12/15 23:15	1
Copper, Dissolved	1.3	<i>J+</i>	1.0	0.50	ug/L		08/12/15 13:31	08/12/15 23:15	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 13:31	08/12/15 23:15	1
Manganese, Dissolved	9.7		2.5	1.2	ug/L		08/12/15 13:31	08/12/15 23:15	1
Molybdenum, Dissolved	1.3	<i>J-</i>	1.0	0.45	ug/L		08/12/15 13:31	08/12/15 23:15	1
Nickel, Dissolved	1.1		1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:15	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJLP-081015-11

Lab Sample ID: 680-115487-10

Date Collected: 08/10/15 09:40

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.77	B <i>2004</i>	2.0	0.58	ug/L	-	08/12/15 13:31	08/12/15 23:15	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:15	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:15	1
Vanadium, Dissolved	0.92	J	1.0	0.30	ug/L	-	08/12/15 13:31	08/12/15 23:15	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 13:31	08/12/15 23:15	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	180		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:46	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 16:44	08/13/15 00:35	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.18	HF <i>5</i>			SU	-		08/12/15 23:19	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	88		5.0	5.0	mg/L	-		08/12/15 23:19	1
Total Suspended Solids	1400		20	20	mg/L	-		08/12/15 13:03	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJDS-081015-11

Lab Sample ID: 680-115487-11

Date Collected: 08/10/15 13:25

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	79000		200	24	ug/L		08/12/15 12:57	08/12/15 21:08	1
Calcium	81000		500	25	ug/L		08/12/15 12:57	08/12/15 21:08	1
Iron	67000		50	17	ug/L		08/12/15 12:57	08/12/15 21:08	1
Magnesium	22000		500	33	ug/L		08/12/15 12:57	08/12/15 21:08	1
Potassium	15000		1000	17	ug/L		08/12/15 12:57	08/12/15 21:08	1
Sodium	38000		1000	480	ug/L		08/12/15 12:57	08/12/15 21:08	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	29	J	200	24	ug/L		08/12/15 13:31	08/12/15 23:56	1
Calcium, Dissolved	47000		500	25	ug/L		08/12/15 13:31	08/12/15 23:56	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 13:31	08/12/15 23:56	1
Potassium, Dissolved	3000		1000	17	ug/L		08/12/15 13:31	08/12/15 23:56	1
Magnesium, Dissolved	5500		500	33	ug/L		08/12/15 13:31	08/12/15 23:56	1
Sodium, Dissolved	34000		1000	480	ug/L		08/12/15 13:31	08/12/15 23:56	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 20:00	1
Arsenic	15		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 20:00	1
Barium	810		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 20:00	1
Beryllium	4.5		0.40	0.15	ug/L		08/12/15 12:57	08/12/15 20:00	1
Cadmium	0.31		0.10	0.043	ug/L		08/12/15 12:57	08/12/15 20:00	1
Chromium	39		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 20:00	1
Cobalt	29		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 20:00	1
Copper	74		1.0	0.50	ug/L		08/12/15 12:57	08/12/15 20:00	1
Lead	69		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 20:00	1
Manganese	1300		2.5	1.2	ug/L		08/12/15 12:57	08/12/15 20:00	1
Nickel	38		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 20:00	1
Selenium	3.3	J+	2.0	0.58	ug/L		08/12/15 12:57	08/12/15 20:00	1
Silver	0.44	J	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 20:00	1
Thallium	0.74		0.20	0.10	ug/L		08/12/15 12:57	08/12/15 20:00	1
Vanadium	98		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 20:00	1
Zinc	210		20	2.8	ug/L		08/12/15 12:57	08/12/15 20:00	1
Molybdenum	1.2	J-	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 20:00	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:19	1
Arsenic, Dissolved	0.51	J	1.0	0.37	ug/L		08/12/15 13:31	08/12/15 23:19	1
Barium, Dissolved	64		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 23:19	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 13:31	08/12/15 23:19	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 13:31	08/12/15 23:19	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 23:19	1
Cobalt, Dissolved	0.33	J	0.40	0.12	ug/L		08/12/15 13:31	08/12/15 23:19	1
Copper, Dissolved	2.4	J+	1.0	0.50	ug/L		08/12/15 13:31	08/12/15 23:19	1
Lead, Dissolved	0.060	J	0.30	0.060	ug/L		08/12/15 13:31	08/12/15 23:19	1
Manganese, Dissolved	1.7	J	2.5	1.2	ug/L		08/12/15 13:31	08/12/15 23:19	1
Molybdenum, Dissolved	1.8	J-	1.0	0.45	ug/L		08/12/15 13:31	08/12/15 23:19	1
Nickel, Dissolved	1.2		1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:19	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJDS-081015-11

Lab Sample ID: 680-115487-11

Date Collected: 08/10/15 13:25

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.77	B	2.0	0.58	ug/L	-	08/12/15 13:31	08/12/15 23:19	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:19	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:19	1
Vanadium, Dissolved	1.5		1.0	0.30	ug/L	-	08/12/15 13:31	08/12/15 23:19	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 13:31	08/12/15 23:19	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	290		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	J	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:49	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 16:44	08/13/15 00:38	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.17	HF	NONE	NONE	SU	-		08/12/15 23:25	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	93		5.0	5.0	mg/L	-		08/12/15 23:25	1
Total Suspended Solids	4300		100	100	mg/L	-		08/12/15 13:03	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJHB-081015-11

Lab Sample ID: 680-115487-12

Date Collected: 08/10/15 11:25

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		200	24	ug/L		08/12/15 12:57	08/12/15 21:12	1
Calcium	60000		500	25	ug/L		08/12/15 12:57	08/12/15 21:12	1
Iron	11000		50	17	ug/L		08/12/15 12:57	08/12/15 21:12	1
Magnesium	9600		500	33	ug/L		08/12/15 12:57	08/12/15 21:12	1
Potassium	5000		1000	17	ug/L		08/12/15 12:57	08/12/15 21:12	1
Sodium	19000		1000	480	ug/L		08/12/15 12:57	08/12/15 21:12	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 13:31	08/13/15 00:00	1
Calcium, Dissolved	51000		500	25	ug/L		08/12/15 13:31	08/13/15 00:00	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 13:31	08/13/15 00:00	1
Potassium, Dissolved	2300		1000	17	ug/L		08/12/15 13:31	08/13/15 00:00	1
Magnesium, Dissolved	6800		500	33	ug/L		08/12/15 13:31	08/13/15 00:00	1
Sodium, Dissolved	19000		1000	480	ug/L		08/12/15 13:31	08/13/15 00:00	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 20:04	1
Arsenic	3.8		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 20:04	1
Barium	260		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 20:04	1
Beryllium	0.89		0.40	0.15	ug/L		08/12/15 12:57	08/12/15 20:04	1
Cadmium	0.056	J	0.10	0.043	ug/L		08/12/15 12:57	08/12/15 20:04	1
Chromium	9.7		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 20:04	1
Cobalt	6.2		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 20:04	1
Copper	16		1.0	0.50	ug/L		08/12/15 12:57	08/12/15 20:04	1
Lead	22		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 20:04	1
Manganese	400	J	2.5	1.2	ug/L		08/12/15 12:57	08/12/15 20:04	1
Nickel	8.5		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 20:04	1
Selenium	2.3	J+	2.0	0.58	ug/L		08/12/15 12:57	08/12/15 20:04	1
Silver	0.14	J	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 20:04	1
Thallium	0.15	J	0.20	0.10	ug/L		08/12/15 12:57	08/12/15 20:04	1
Vanadium	21		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 20:04	1
Zinc	55		20	2.8	ug/L		08/12/15 12:57	08/12/15 20:04	1
Molybdenum	1.5	J-	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 20:04	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:23	1
Arsenic, Dissolved	0.67	J	1.0	0.37	ug/L		08/12/15 13:31	08/12/15 23:23	1
Barium, Dissolved	69		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 23:23	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 13:31	08/12/15 23:23	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 13:31	08/12/15 23:23	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 23:23	1
Cobalt, Dissolved	0.35	J	0.40	0.12	ug/L		08/12/15 13:31	08/12/15 23:23	1
Copper, Dissolved	2.1	J+	1.0	0.50	ug/L		08/12/15 13:31	08/12/15 23:23	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 13:31	08/12/15 23:23	1
Manganese, Dissolved	2.7		2.5	1.2	ug/L		08/12/15 13:31	08/12/15 23:23	1
Molybdenum, Dissolved	1.3	J+	1.0	0.45	ug/L		08/12/15 13:31	08/12/15 23:23	1
Nickel, Dissolved	0.98	J	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:23	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJHB-081015-11

Lab Sample ID: 680-115487-12

Date Collected: 08/10/15 11:25

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L	-	08/12/15 13:31	08/12/15 23:23	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:23	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:23	1
Vanadium, Dissolved	0.96	J	1.0	0.30	ug/L	-	08/12/15 13:31	08/12/15 23:23	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 13:31	08/12/15 23:23	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	190		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L	-	08/12/15 15:13	08/12/15 22:52	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 16:44	08/13/15 00:42	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.15	HF			SU	-		08/13/15 00:11	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	90		5.0	5.0	mg/L	-		08/13/15 00:11	1
Total Suspended Solids	880		18	18	mg/L	-		08/12/15 13:03	1

TestAmerica Savannah



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJHB-081015-12

Lab Sample ID: 680-115487-13

Date Collected: 08/10/15 11:25

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		200	24	ug/L		08/12/15 12:57	08/12/15 21:16	1
Calcium	57000		500	25	ug/L		08/12/15 12:57	08/12/15 21:16	1
Iron	11000		50	17	ug/L		08/12/15 12:57	08/12/15 21:16	1
Magnesium	9500		500	33	ug/L		08/12/15 12:57	08/12/15 21:16	1
Potassium	5100		1000	17	ug/L		08/12/15 12:57	08/12/15 21:16	1
Sodium	19000		1000	480	ug/L		08/12/15 12:57	08/12/15 21:16	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 13:31	08/13/15 00:05	1
Calcium, Dissolved	50000		500	25	ug/L		08/12/15 13:31	08/13/15 00:05	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 13:31	08/13/15 00:05	1
Potassium, Dissolved	2300		1000	17	ug/L		08/12/15 13:31	08/13/15 00:05	1
Magnesium, Dissolved	6700		500	33	ug/L		08/12/15 13:31	08/13/15 00:05	1
Sodium, Dissolved	18000		1000	480	ug/L		08/12/15 13:31	08/13/15 00:05	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 12:57	08/12/15 20:09	1
Arsenic	3.7		1.0	0.37	ug/L		08/12/15 12:57	08/12/15 20:09	1
Barium	240		2.0	0.14	ug/L		08/12/15 12:57	08/12/15 20:09	1
Beryllium	0.78		0.40	0.15	ug/L		08/12/15 12:57	08/12/15 20:09	1
Cadmium	0.054	J	0.10	0.043	ug/L		08/12/15 12:57	08/12/15 20:09	1
Chromium	10		2.0	1.0	ug/L		08/12/15 12:57	08/12/15 20:09	1
Cobalt	5.4		0.40	0.12	ug/L		08/12/15 12:57	08/12/15 20:09	1
Copper	16		1.0	0.50	ug/L		08/12/15 12:57	08/12/15 20:09	1
Lead	22		0.30	0.060	ug/L		08/12/15 12:57	08/12/15 20:09	1
Manganese	290	J	2.5	1.2	ug/L		08/12/15 12:57	08/12/15 20:09	1
Nickel	8.1		1.0	0.40	ug/L		08/12/15 12:57	08/12/15 20:09	1
Selenium	2.0	J	2.0	0.58	ug/L		08/12/15 12:57	08/12/15 20:09	1
Silver	0.15	J	1.0	0.10	ug/L		08/12/15 12:57	08/12/15 20:09	1
Thallium	0.15	J	0.20	0.10	ug/L		08/12/15 12:57	08/12/15 20:09	1
Vanadium	20		1.0	0.30	ug/L		08/12/15 12:57	08/12/15 20:09	1
Zinc	51		20	2.8	ug/L		08/12/15 12:57	08/12/15 20:09	1
Molybdenum	1.5	J	1.0	0.45	ug/L		08/12/15 12:57	08/12/15 20:09	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:27	1
Arsenic, Dissolved	0.99	J	1.0	0.37	ug/L		08/12/15 13:31	08/12/15 23:27	1
Barium, Dissolved	67		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 23:27	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 13:31	08/12/15 23:27	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 13:31	08/12/15 23:27	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 23:27	1
Cobalt, Dissolved	0.16	J	0.40	0.12	ug/L		08/12/15 13:31	08/12/15 23:27	1
Copper, Dissolved	1.4	J	1.0	0.50	ug/L		08/12/15 13:31	08/12/15 23:27	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 13:31	08/12/15 23:27	1
Manganese, Dissolved	2.1	J	2.5	1.2	ug/L		08/12/15 13:31	08/12/15 23:27	1
Molybdenum, Dissolved	1.3	J	1.0	0.45	ug/L		08/12/15 13:31	08/12/15 23:27	1
Nickel, Dissolved	1.2		1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:27	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJHB-081015-12

Lab Sample ID: 680-115487-13

Date Collected: 08/10/15 11:25

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	1.1	B	2.0	0.58	ug/L		08/12/15 13:31	08/12/15 23:27	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/12/15 13:31	08/12/15 23:27	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/12/15 13:31	08/12/15 23:27	1
Vanadium, Dissolved	0.89	J	1.0	0.30	ug/L		08/12/15 13:31	08/12/15 23:27	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/12/15 13:31	08/12/15 23:27	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	180		3.3	3.3	mg/L			08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/12/15 15:13	08/12/15 22:55	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/12/15 16:44	08/13/15 00:45	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.16	HF	NONE	NONE	SU			08/13/15 00:18	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	90		5.0	5.0	mg/L			08/13/15 00:18	1
Total Suspended Solids	1000		20	20	mg/L			08/12/15 13:03	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJ4C-081115-11

Lab Sample ID: 680-115487-14

Date Collected: 08/11/15 09:52

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	120000		200	24	ug/L		08/12/15 14:09	08/13/15 02:41	1
Calcium	100000		500	25	ug/L		08/12/15 14:09	08/13/15 02:41	1
Iron	91000		50	17	ug/L		08/12/15 14:09	08/13/15 02:41	1
Magnesium	28000		500	33	ug/L		08/12/15 14:09	08/13/15 02:41	1
Potassium	19000		1000	17	ug/L		08/12/15 14:09	08/13/15 02:41	1
Sodium	43000		1000	480	ug/L		08/12/15 14:09	08/13/15 02:41	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	25	J	200	24	ug/L		08/12/15 13:31	08/13/15 00:18	1
Calcium, Dissolved	46000		500	25	ug/L		08/12/15 13:31	08/13/15 00:18	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 13:31	08/13/15 00:18	1
Potassium, Dissolved	3300		1000	17	ug/L		08/12/15 13:31	08/13/15 00:18	1
Magnesium, Dissolved	4900		500	33	ug/L		08/12/15 13:31	08/13/15 00:18	1
Sodium, Dissolved	40000		1000	480	ug/L		08/12/15 13:31	08/13/15 00:18	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 05:19	1
Arsenic	24		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 05:19	1
Barium	1200		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 05:19	1
Beryllium	7.4		0.40	0.15	ug/L		08/12/15 14:09	08/13/15 05:19	1
Cadmium	0.31		0.10	0.043	ug/L		08/12/15 14:09	08/13/15 05:19	1
Chromium	55		2.0	1.0	ug/L		08/12/15 14:09	08/13/15 05:19	1
Cobalt	48		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 05:19	1
Copper	120		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 05:19	1
Lead	89		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 05:19	1
Manganese	2000		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 05:19	1
Nickel	55		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 05:19	1
Selenium	5.2		2.0	0.58	ug/L		08/12/15 14:09	08/13/15 05:19	1
Silver	0.55	J	1.0	0.10	ug/L		08/12/15 14:09	08/13/15 05:19	1
Thallium	1.2		0.20	0.10	ug/L		08/12/15 14:09	08/13/15 05:19	1
Vanadium	130		1.0	0.30	ug/L		08/12/15 14:09	08/13/15 05:19	1
Zinc	270		20	2.8	ug/L		08/12/15 14:09	08/13/15 05:19	1
Molybdenum	0.99	J	1.0	0.45	ug/L		08/12/15 14:09	08/13/15 05:19	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:31	1
Arsenic, Dissolved	1.2		1.0	0.37	ug/L		08/12/15 13:31	08/12/15 23:31	1
Barium, Dissolved	65		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 23:31	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 13:31	08/12/15 23:31	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 13:31	08/12/15 23:31	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 23:31	1
Cobalt, Dissolved	2.5		0.40	0.12	ug/L		08/12/15 13:31	08/12/15 23:31	1
Copper, Dissolved	2.5		1.0	0.50	ug/L		08/12/15 13:31	08/12/15 23:31	1
Lead, Dissolved	0.094	J	0.30	0.060	ug/L		08/12/15 13:31	08/12/15 23:31	1
Manganese, Dissolved	4.6		2.5	1.2	ug/L		08/12/15 13:31	08/12/15 23:31	1
Molybdenum, Dissolved	2.0		1.0	0.45	ug/L		08/12/15 13:31	08/12/15 23:31	1
Nickel, Dissolved	1.3		1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:31	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJ4C-081115-11

Lab Sample ID: 680-115487-14

Date Collected: 08/11/15 09:52

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.78	J B	2.0	0.58	ug/L	-	08/12/15 13:31	08/12/15 23:31	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:31	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 13:31	08/12/15 23:31	1
Vanadium, Dissolved	2.0		1.0	0.30	ug/L	-	08/12/15 13:31	08/12/15 23:31	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 13:31	08/12/15 23:31	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	380		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15	J	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 21:07	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 16:44	08/13/15 00:48	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.20	HF			SU	-		08/13/15 00:25	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	97		5.0	5.0	mg/L	-		08/13/15 00:25	1
Total Suspended Solids	6700		100	100	mg/L	-		08/12/15 14:02	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJ4C-081115-12

Lab Sample ID: 680-115487-15

Date Collected: 08/11/15 09:52

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	110000		200	24	ug/L		08/12/15 14:09	08/13/15 02:10	1
Calcium	99000		500	25	ug/L		08/12/15 14:09	08/13/15 02:10	1
Iron	86000		50	17	ug/L		08/12/15 14:09	08/13/15 02:10	1
Magnesium	27000		500	33	ug/L		08/12/15 14:09	08/13/15 02:10	1
Potassium	18000		1000	17	ug/L		08/12/15 14:09	08/13/15 02:10	1
Sodium	41000		1000	480	ug/L		08/12/15 14:09	08/13/15 02:10	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 14:09	08/13/15 03:08	1
Calcium, Dissolved	43000		500	25	ug/L		08/12/15 14:09	08/13/15 03:08	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 14:09	08/13/15 03:08	1
Potassium, Dissolved	3100		1000	17	ug/L		08/12/15 14:09	08/13/15 03:08	1
Magnesium, Dissolved	4700		500	33	ug/L		08/12/15 14:09	08/13/15 03:08	1
Sodium, Dissolved	38000		1000	480	ug/L		08/12/15 14:09	08/13/15 03:08	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:54	1
Arsenic	23		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 04:54	1
Barium	1100		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 04:54	1
Beryllium	7.1		0.40	0.15	ug/L		08/12/15 14:09	08/13/15 04:54	1
Cadmium	0.35		0.10	0.043	ug/L		08/12/15 14:09	08/13/15 04:54	1
Chromium	53		2.0	1.0	ug/L		08/12/15 14:09	08/13/15 04:54	1
Cobalt	46		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 04:54	1
Copper	110		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 04:54	1
Lead	84		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 04:54	1
Manganese	2000		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 04:54	1
Nickel	52		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:54	1
Selenium	4.2		2.0	0.58	ug/L		08/12/15 14:09	08/13/15 04:54	1
Silver	0.52	J	1.0	0.10	ug/L		08/12/15 14:09	08/13/15 04:54	1
Thallium	1.1		0.20	0.10	ug/L		08/12/15 14:09	08/13/15 04:54	1
Vanadium	130		1.0	0.30	ug/L		08/12/15 14:09	08/13/15 04:54	1
Zinc	250		20	2.8	ug/L		08/12/15 14:09	08/13/15 04:54	1
Molybdenum	0.96	J	1.0	0.45	ug/L		08/12/15 14:09	08/13/15 04:54	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:05	1
Arsenic, Dissolved	0.92	J	1.0	0.37	ug/L		08/12/15 14:09	08/13/15 04:05	1
Barium, Dissolved	60		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 04:05	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 14:09	08/13/15 04:05	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 14:09	08/13/15 04:05	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 14:09	08/13/15 04:05	1
Cobalt, Dissolved	0.27	J	0.40	0.12	ug/L		08/12/15 14:09	08/13/15 04:05	1
Copper, Dissolved	2.4		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 04:05	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 14:09	08/13/15 04:05	1
Manganese, Dissolved	1.2	U	2.5	1.2	ug/L		08/12/15 14:09	08/13/15 04:05	1
Molybdenum, Dissolved	1.9	J	1.0	0.45	ug/L		08/12/15 14:09	08/13/15 04:05	1
Nickel, Dissolved	1.2		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:05	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJ4C-081115-12

Lab Sample ID: 680-115487-15

Date Collected: 08/11/15 09:52

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	1.7	J	2.0	0.58	ug/L	-	08/12/15 14:09	08/13/15 04:05	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 14:09	08/13/15 04:05	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 14:09	08/13/15 04:05	1
Vanadium, Dissolved	1.5		1.0	0.30	ug/L	-	08/12/15 14:09	08/13/15 04:05	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 14:09	08/13/15 04:05	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	360		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16	J	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 20:46	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U ^	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 21:26	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.19	HF J			SU	-		08/13/15 00:32	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	96		5.0	5.0	mg/L	-		08/13/15 00:32	1
Total Suspended Solids	5200		100	100	mg/L	-		08/12/15 14:02	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJSR-081115-11

Lab Sample ID: 680-115487-16

Date Collected: 08/11/15 12:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3100		200	24	ug/L		08/12/15 13:31	08/13/15 00:23	1
Calcium	68000		500	25	ug/L		08/12/15 13:31	08/13/15 00:23	1
Iron	1500		50	17	ug/L		08/12/15 13:31	08/13/15 00:23	1
Magnesium	8200		500	33	ug/L		08/12/15 13:31	08/13/15 00:23	1
Potassium	3400		1000	17	ug/L		08/12/15 13:31	08/13/15 00:23	1
Sodium	26000		1000	480	ug/L		08/12/15 13:31	08/13/15 00:23	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 14:09	08/13/15 03:13	1
Calcium, Dissolved	52000		500	25	ug/L		08/12/15 14:09	08/13/15 03:13	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 14:09	08/13/15 03:13	1
Potassium, Dissolved	2800		1000	17	ug/L		08/12/15 14:09	08/13/15 03:13	1
Magnesium, Dissolved	6500		500	33	ug/L		08/12/15 14:09	08/13/15 03:13	1
Sodium, Dissolved	26000		1000	480	ug/L		08/12/15 14:09	08/13/15 03:13	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:35	1
Arsenic	2.6		1.0	0.37	ug/L		08/12/15 13:31	08/12/15 23:35	1
Barium	240		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 23:35	1
Beryllium	1.3		0.40	0.15	ug/L		08/12/15 13:31	08/12/15 23:35	1
Cadmium	0.16		0.10	0.043	ug/L		08/12/15 13:31	08/12/15 23:35	1
Chromium	1.0	J	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 23:35	1
Cobalt	5.6		0.40	0.12	ug/L		08/12/15 13:31	08/12/15 23:35	1
Copper	13		1.0	0.50	ug/L		08/12/15 13:31	08/12/15 23:35	1
Lead	9.9		0.30	0.060	ug/L		08/12/15 13:31	08/12/15 23:35	1
Manganese	500		2.5	1.2	ug/L		08/12/15 13:31	08/12/15 23:35	1
Nickel	4.2		1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:35	1
Selenium	0.60	J B	2.0	0.58	ug/L		08/12/15 13:31	08/12/15 23:35	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 13:31	08/12/15 23:35	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 13:31	08/12/15 23:35	1
Vanadium	9.8		1.0	0.30	ug/L		08/12/15 13:31	08/12/15 23:35	1
Zinc	24		20	2.8	ug/L		08/12/15 13:31	08/12/15 23:35	1
Molybdenum	0.63	J	1.0	0.45	ug/L		08/12/15 13:31	08/12/15 23:35	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:09	1
Arsenic, Dissolved	0.94	J	1.0	0.37	ug/L		08/12/15 14:09	08/13/15 04:09	1
Barium, Dissolved	73		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 04:09	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 14:09	08/13/15 04:09	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 14:09	08/13/15 04:09	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 14:09	08/13/15 04:09	1
Cobalt, Dissolved	1.9		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 04:09	1
Copper, Dissolved	1.7		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 04:09	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 14:09	08/13/15 04:09	1
Manganese, Dissolved	4.0		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 04:09	1
Molybdenum, Dissolved	1.6		1.0	0.45	ug/L		08/12/15 14:09	08/13/15 04:09	1
Nickel, Dissolved	1.2		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:09	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJSR-081115-11

Lab Sample ID: 680-115487-16

Date Collected: 08/11/15 12:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.75	J	2.0	0.58	ug/L	-	08/12/15 14:09	08/13/15 04:09	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 14:09	08/13/15 04:09	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 14:09	08/13/15 04:09	1
Vanadium, Dissolved	1.3		1.0	0.30	ug/L	-	08/12/15 14:09	08/13/15 04:09	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 14:09	08/13/15 04:09	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	200		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L	-	08/12/15 16:44	08/12/15 23:36	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U ^	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 21:29	1

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.20	HF	NONE	NONE	SU	-		08/13/15 00:38	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	93		5.0	5.0	mg/L	-		08/13/15 00:38	1
Total Suspended Solids	1400		67	67	mg/L	-		08/12/15 14:02	1

TestAmerica Savannah



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJMH-081115-11

Lab Sample ID: 680-115487-17

Date Collected: 08/11/15 10:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	110000		200	24	ug/L		08/12/15 14:09	08/13/15 02:59	1
Calcium	99000		500	25	ug/L		08/12/15 14:09	08/13/15 02:59	1
Iron	86000		50	17	ug/L		08/12/15 14:09	08/13/15 02:59	1
Magnesium	28000		500	33	ug/L		08/12/15 14:09	08/13/15 02:59	1
Potassium	18000		1000	17	ug/L		08/12/15 14:09	08/13/15 02:59	1
Sodium	41000		1000	480	ug/L		08/12/15 14:09	08/13/15 02:59	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	J	200	24	ug/L		08/12/15 13:31	08/13/15 00:27	1
Calcium, Dissolved	46000		500	25	ug/L		08/12/15 13:31	08/13/15 00:27	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 13:31	08/13/15 00:27	1
Potassium, Dissolved	3100		1000	17	ug/L		08/12/15 13:31	08/13/15 00:27	1
Magnesium, Dissolved	5300		500	33	ug/L		08/12/15 13:31	08/13/15 00:27	1
Sodium, Dissolved	37000		1000	480	ug/L		08/12/15 13:31	08/13/15 00:27	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 05:27	1
Arsenic	22		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 05:27	1
Barium	1000		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 05:27	1
Beryllium	6.4		0.40	0.15	ug/L		08/12/15 14:09	08/13/15 05:27	1
Cadmium	0.29		0.10	0.043	ug/L		08/12/15 14:09	08/13/15 05:27	1
Chromium	51		2.0	1.0	ug/L		08/12/15 14:09	08/13/15 05:27	1
Cobalt	42		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 05:27	1
Copper	100		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 05:27	1
Lead	82		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 05:27	1
Manganese	1800		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 05:27	1
Nickel	50		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 05:27	1
Selenium	4.5		2.0	0.58	ug/L		08/12/15 14:09	08/13/15 05:27	1
Silver	0.50	J	1.0	0.10	ug/L		08/12/15 14:09	08/13/15 05:27	1
Thallium	1.0		0.20	0.10	ug/L		08/12/15 14:09	08/13/15 05:27	1
Vanadium	130		1.0	0.30	ug/L		08/12/15 14:09	08/13/15 05:27	1
Zinc	250		20	2.8	ug/L		08/12/15 14:09	08/13/15 05:27	1
Molybdenum	1.0	J	1.0	0.45	ug/L		08/12/15 14:09	08/13/15 05:27	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:39	1
Arsenic, Dissolved	0.88	J	1.0	0.37	ug/L		08/12/15 13:31	08/12/15 23:39	1
Barium, Dissolved	65		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 23:39	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 13:31	08/12/15 23:39	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 13:31	08/12/15 23:39	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 23:39	1
Cobalt, Dissolved	2.6		0.40	0.12	ug/L		08/12/15 13:31	08/12/15 23:39	1
Copper, Dissolved	2.4		1.0	0.50	ug/L		08/12/15 13:31	08/12/15 23:39	1
Lead, Dissolved	0.084	J	0.30	0.060	ug/L		08/12/15 13:31	08/12/15 23:39	1
Manganese, Dissolved	4.7		2.5	1.2	ug/L		08/12/15 13:31	08/12/15 23:39	1
Molybdenum, Dissolved	2.0	J	1.0	0.45	ug/L		08/12/15 13:31	08/12/15 23:39	1
Nickel, Dissolved	1.3		1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:39	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJMH-081115-11

Lab Sample ID: 680-115487-17

Date Collected: 08/11/15 10:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	1.6	J B	2.0	0.58	ug/L		08/12/15 13:31	08/12/15 23:39	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/12/15 13:31	08/12/15 23:39	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/12/15 13:31	08/12/15 23:39	1
Vanadium, Dissolved	1.8		1.0	0.30	ug/L		08/12/15 13:31	08/12/15 23:39	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/12/15 13:31	08/12/15 23:39	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	360		3.3	3.3	mg/L			08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	J ^	0.20	0.080	ug/L		08/12/15 13:18	08/12/15 21:20	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/12/15 16:44	08/13/15 01:01	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.24	MF J	NONE	NONE	SU			08/13/15 00:45	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	97		5.0	5.0	mg/L			08/13/15 00:45	1
Total Suspended Solids	4600		100	100	mg/L			08/12/15 14:02	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJBB-081115-11

Lab Sample ID: 680-115487-18

Date Collected: 08/11/15 11:30

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	110000		200	24	ug/L		08/12/15 14:09	08/13/15 02:14	1
Calcium	99000		500	25	ug/L		08/12/15 14:09	08/13/15 02:14	1
Iron	85000		50	17	ug/L		08/12/15 14:09	08/13/15 02:14	1
Magnesium	27000		500	33	ug/L		08/12/15 14:09	08/13/15 02:14	1
Potassium	17000		1000	17	ug/L		08/12/15 14:09	08/13/15 02:14	1
Sodium	40000		1000	480	ug/L		08/12/15 14:09	08/13/15 02:14	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	1600		200	24	ug/L		08/12/15 14:09	08/13/15 03:17	1
Calcium, Dissolved	46000		500	25	ug/L		08/12/15 14:09	08/13/15 03:17	1
Iron, Dissolved	840		50	17	ug/L		08/12/15 14:09	08/13/15 03:17	1
Potassium, Dissolved	3400		1000	17	ug/L		08/12/15 14:09	08/13/15 03:17	1
Magnesium, Dissolved	5600		500	33	ug/L		08/12/15 14:09	08/13/15 03:17	1
Sodium, Dissolved	37000		1000	480	ug/L		08/12/15 14:09	08/13/15 03:17	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:58	1
Arsenic	21		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 04:58	1
Barium	1000		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 04:58	1
Beryllium	6.3		0.40	0.15	ug/L		08/12/15 14:09	08/13/15 04:58	1
Cadmium	0.33		0.10	0.043	ug/L		08/12/15 14:09	08/13/15 04:58	1
Chromium	50		2.0	1.0	ug/L		08/12/15 14:09	08/13/15 04:58	1
Cobalt	42		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 04:58	1
Copper	100		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 04:58	1
Lead	82		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 04:58	1
Manganese	1800		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 04:58	1
Nickel	49		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:58	1
Selenium	3.8		2.0	0.58	ug/L		08/12/15 14:09	08/13/15 04:58	1
Silver	0.51	J	1.0	0.10	ug/L		08/12/15 14:09	08/13/15 04:58	1
Thallium	1.0		0.20	0.10	ug/L		08/12/15 14:09	08/13/15 04:58	1
Vanadium	120		1.0	0.30	ug/L		08/12/15 14:09	08/13/15 04:58	1
Zinc	250		20	2.8	ug/L		08/12/15 14:09	08/13/15 04:58	1
Molybdenum	1.0		1.0	0.45	ug/L		08/12/15 14:09	08/13/15 04:58	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:13	1
Arsenic, Dissolved	1.2		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 04:13	1
Barium, Dissolved	70		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 04:13	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 14:09	08/13/15 04:13	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 14:09	08/13/15 04:13	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 14:09	08/13/15 04:13	1
Cobalt, Dissolved	0.87		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 04:13	1
Copper, Dissolved	3.2		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 04:13	1
Lead, Dissolved	0.67		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 04:13	1
Manganese, Dissolved	13		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 04:13	1
Molybdenum, Dissolved	1.9		1.0	0.45	ug/L		08/12/15 14:09	08/13/15 04:13	1
Nickel, Dissolved	1.4		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:13	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJBB-081115-11

Lab Sample ID: 680-115487-18

Date Collected: 08/11/15 11:30

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	1.3	J	2.0	0.58	ug/L	-	08/12/15 14:09	08/13/15 04:13	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 14:09	08/13/15 04:13	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 14:09	08/13/15 04:13	1
Vanadium, Dissolved	3.7		1.0	0.30	ug/L	-	08/12/15 14:09	08/13/15 04:13	1
Zinc, Dissolved	4.9	J	20	2.8	ug/L	-	08/12/15 14:09	08/13/15 04:13	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	360		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12	J	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 20:49	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U ^	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 21:32	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.23	HF J			SU	-		08/13/15 00:54	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	97		5.0	5.0	mg/L	-		08/13/15 00:54	1
Total Suspended Solids	5100		100	100	mg/L	-		08/12/15 14:02	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJMC-081115-11

Lab Sample ID: 680-115487-19

Date Collected: 08/11/15 12:20

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		200	24	ug/L		08/12/15 14:09	08/13/15 03:04	1
Calcium	210000		500	25	ug/L		08/12/15 14:09	08/13/15 03:04	1
Iron	8400		50	17	ug/L		08/12/15 14:09	08/13/15 03:04	1
Magnesium	79000		500	33	ug/L		08/12/15 14:09	08/13/15 03:04	1
Potassium	9400		1000	17	ug/L		08/12/15 14:09	08/13/15 03:04	1
Sodium	75000		1000	480	ug/L		08/12/15 14:09	08/13/15 03:04	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 14:09	08/13/15 02:23	1
Calcium, Dissolved	180000		500	25	ug/L		08/12/15 14:09	08/13/15 02:23	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 14:09	08/13/15 02:23	1
Potassium, Dissolved	6000		1000	17	ug/L		08/12/15 14:09	08/13/15 02:23	1
Magnesium, Dissolved	75000		500	33	ug/L		08/12/15 14:09	08/13/15 02:23	1
Sodium, Dissolved	75000		1000	480	ug/L		08/12/15 14:09	08/13/15 02:23	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 05:31	1
Arsenic	4.9		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 05:31	1
Barium	180		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 05:31	1
Beryllium	0.59		0.40	0.15	ug/L		08/12/15 14:09	08/13/15 05:31	1
Cadmium	0.22		0.10	0.043	ug/L		08/12/15 14:09	08/13/15 05:31	1
Chromium	8.0		2.0	1.0	ug/L		08/12/15 14:09	08/13/15 05:31	1
Cobalt	3.9		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 05:31	1
Copper	11		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 05:31	1
Lead	7.6		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 05:31	1
Manganese	310		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 05:31	1
Nickel	13		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 05:31	1
Selenium	3.3		2.0	0.58	ug/L		08/12/15 14:09	08/13/15 05:31	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 14:09	08/13/15 05:31	1
Thallium	0.26		0.20	0.10	ug/L		08/12/15 14:09	08/13/15 05:31	1
Vanadium	24		1.0	0.30	ug/L		08/12/15 14:09	08/13/15 05:31	1
Zinc	36		20	2.8	ug/L		08/12/15 14:09	08/13/15 05:31	1
Molybdenum	4.5		1.0	0.45	ug/L		08/12/15 14:09	08/13/15 05:31	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 03:57	1
Arsenic, Dissolved	1.3		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 03:57	1
Barium, Dissolved	86		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 03:57	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 14:09	08/13/15 03:57	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 14:09	08/13/15 03:57	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 14:09	08/13/15 03:57	1
Cobalt, Dissolved	1.4		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 03:57	1
Copper, Dissolved	2.5		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 03:57	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 14:09	08/13/15 03:57	1
Manganese, Dissolved	3.7		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 03:57	1
Molybdenum, Dissolved	3.4		1.0	0.45	ug/L		08/12/15 14:09	08/13/15 03:57	1
Nickel, Dissolved	3.7		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 03:57	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJMC-081115-11

Lab Sample ID: 680-115487-19

Date Collected: 08/11/15 12:20

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	2.0		2.0	0.58	ug/L	-	08/12/15 14:09	08/13/15 03:57	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 14:09	08/13/15 03:57	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 14:09	08/13/15 03:57	1
Vanadium, Dissolved	2.3		1.0	0.30	ug/L	-	08/12/15 14:09	08/13/15 03:57	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 14:09	08/13/15 03:57	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	840		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U ^	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 21:23	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 20:55	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.32	HF	NONE	NONE	SU	-		08/13/15 01:12	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	210		5.0	5.0	mg/L	-		08/13/15 01:12	1
Total Suspended Solids	550		29	29	mg/L	-		08/12/15 14:02	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJME-081115-11

Lab Sample ID: 680-115487-20

Date Collected: 08/11/15 13:30

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5600	J	200	24	ug/L	-	08/12/15 14:09	08/13/15 02:46	1
Calcium	62000	J	500	25	ug/L	-	08/12/15 14:09	08/13/15 02:46	1
Iron	4800	J	50	17	ug/L	-	08/12/15 14:09	08/13/15 02:46	1
Magnesium	9100	J	500	33	ug/L	-	08/12/15 14:09	08/13/15 02:46	1
Potassium	3600	J	1000	17	ug/L	-	08/12/15 14:09	08/13/15 02:46	1
Sodium	22000	J	1000	480	ug/L	-	08/12/15 14:09	08/13/15 02:46	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L	-	08/12/15 14:09	08/13/15 02:06	1
Calcium, Dissolved	59000	J	500	25	ug/L	-	08/12/15 14:09	08/13/15 02:06	1
Iron, Dissolved	17	U	50	17	ug/L	-	08/12/15 14:09	08/13/15 02:06	1
Potassium, Dissolved	2400	J	1000	17	ug/L	-	08/12/15 14:09	08/13/15 02:06	1
Magnesium, Dissolved	7900	J	500	33	ug/L	-	08/12/15 14:09	08/13/15 02:06	1
Sodium, Dissolved	22000	J	1000	480	ug/L	-	08/12/15 14:09	08/13/15 02:06	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Arsenic	1.7	J	1.0	0.37	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Barium	170	J	2.0	0.14	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Beryllium	0.31	J	0.40	0.15	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Cadmium	0.043	U	0.10	0.043	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Chromium	4.1	J	2.0	1.0	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Cobalt	2.3	J	0.40	0.12	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Copper	7.7	J	1.0	0.50	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Lead	10	J	0.30	0.060	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Manganese	130	J	2.5	1.2	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Nickel	3.9	J	1.0	0.40	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Selenium	2.6	J	2.0	0.58	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Silver	0.10	U	1.0	0.10	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Thallium	0.10	U	0.20	0.10	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Vanadium	9.2	J	1.0	0.30	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Zinc	23	J	20	2.8	ug/L	-	08/12/15 14:09	08/13/15 05:23	1
Molybdenum	1.4	J	1.0	0.45	ug/L	-	08/12/15 14:09	08/13/15 05:23	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Arsenic, Dissolved	0.72	J	1.0	0.37	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Barium, Dissolved	80	J	2.0	0.14	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Cadmium, Dissolved	0.047	J	0.10	0.043	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Cobalt, Dissolved	1.3	J	0.40	0.12	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Copper, Dissolved	1.5	J	1.0	0.50	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Manganese, Dissolved	10	J	2.5	1.2	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Molybdenum, Dissolved	1.4	J	1.0	0.45	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Nickel, Dissolved	1.3	J	1.0	0.40	ug/L	-	08/12/15 14:09	08/13/15 03:41	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJME-081115-11

Lab Sample ID: 680-115487-20

Date Collected: 08/11/15 13:30

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.77	J	2.0	0.58	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Vanadium, Dissolved	0.88	J	1.0	0.30	ug/L	-	08/12/15 14:09	08/13/15 03:41	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 14:09	08/13/15 03:41	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	190		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U ^	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 21:17	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 20:42	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.27	HF			SU	-		08/13/15 01:19	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	98		5.0	5.0	mg/L	-		08/13/15 01:19	1
Total Suspended Solids	180		14	14	mg/L	-		08/12/15 14:02	1

TestAmerica Savannah



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJME-081115-12

Lab Sample ID: 680-115487-21

Date Collected: 08/11/15 13:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24	U	200	24	ug/L		08/12/15 13:31	08/12/15 22:05	1
Calcium	60000		500	25	ug/L		08/12/15 13:31	08/12/15 22:05	1
Iron	17	U	50	17	ug/L		08/12/15 13:31	08/12/15 22:05	1
Magnesium	8200		500	33	ug/L		08/12/15 13:31	08/12/15 22:05	1
Potassium	2500		1000	17	ug/L		08/12/15 13:31	08/12/15 22:05	1
Sodium	21000		1000	480	ug/L		08/12/15 13:31	08/12/15 22:05	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	9300	J	200	24	ug/L		08/12/15 14:09	08/13/15 02:37	1
Calcium, Dissolved	65000		500	25	ug/L		08/12/15 14:09	08/13/15 02:37	1
Iron, Dissolved	8700	J	50	17	ug/L		08/12/15 14:09	08/13/15 02:37	1
Potassium, Dissolved	4600	J	1000	17	ug/L		08/12/15 14:09	08/13/15 02:37	1
Magnesium, Dissolved	10000		500	33	ug/L		08/12/15 14:09	08/13/15 02:37	1
Sodium, Dissolved	21000		1000	480	ug/L		08/12/15 14:09	08/13/15 02:37	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 21:38	1
Arsenic	0.99	J	1.0	0.37	ug/L		08/12/15 13:31	08/12/15 21:38	1
Barium	81	J	2.0	0.14	ug/L		08/12/15 13:31	08/12/15 21:38	1
Beryllium	0.15	U	0.40	0.15	ug/L		08/12/15 13:31	08/12/15 21:38	1
Cadmium	0.043	U	0.10	0.043	ug/L		08/12/15 13:31	08/12/15 21:38	1
Chromium	0.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 21:38	1
Cobalt	0.29	J	0.40	0.12	ug/L		08/12/15 13:31	08/12/15 21:38	1
Copper	1.6	J	1.0	0.50	ug/L		08/12/15 13:31	08/12/15 21:38	1
Lead	0.060	U	0.30	0.060	ug/L		08/12/15 13:31	08/12/15 21:38	1
Manganese	3.4	J	2.5	1.2	ug/L		08/12/15 13:31	08/12/15 21:38	1
Nickel	1.1	J	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 21:38	1
Selenium	0.94	J B	2.0	0.58	ug/L		08/12/15 13:31	08/12/15 21:38	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 13:31	08/12/15 21:38	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 13:31	08/12/15 21:38	1
Vanadium	0.88	J	1.0	0.30	ug/L		08/12/15 13:31	08/12/15 21:38	1
Zinc	2.8	U	20	2.8	ug/L		08/12/15 13:31	08/12/15 21:38	1
Molybdenum	1.4		1.0	0.45	ug/L		08/12/15 13:31	08/12/15 21:38	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:01	1
Arsenic, Dissolved	3.1	J	1.0	0.37	ug/L		08/12/15 14:09	08/13/15 04:01	1
Barium, Dissolved	270	J	2.0	0.14	ug/L		08/12/15 14:09	08/13/15 04:01	1
Beryllium, Dissolved	0.61		0.40	0.15	ug/L		08/12/15 14:09	08/13/15 04:01	1
Cadmium, Dissolved	0.051	J	0.10	0.043	ug/L		08/12/15 14:09	08/13/15 04:01	1
Chromium, Dissolved	6.1	J	2.0	1.0	ug/L		08/12/15 14:09	08/13/15 04:01	1
Cobalt, Dissolved	4.7	J	0.40	0.12	ug/L		08/12/15 14:09	08/13/15 04:01	1
Copper, Dissolved	12	J	1.0	0.50	ug/L		08/12/15 14:09	08/13/15 04:01	1
Lead, Dissolved	17	J	0.30	0.060	ug/L		08/12/15 14:09	08/13/15 04:01	1
Manganese, Dissolved	320	J	2.5	1.2	ug/L		08/12/15 14:09	08/13/15 04:01	1
Molybdenum, Dissolved	1.4		1.0	0.45	ug/L		08/12/15 14:09	08/13/15 04:01	1
Nickel, Dissolved	6.6	J	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:01	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJME-081115-12

Lab Sample ID: 680-115487-21

Date Collected: 08/11/15 13:35

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.97	J	2.0	0.58	ug/L	-	08/12/15 14:09	08/13/15 04:01	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 14:09	08/13/15 04:01	1
Thallium, Dissolved	0.11	J	0.20	0.10	ug/L	-	08/12/15 14:09	08/13/15 04:01	1
Vanadium, Dissolved	16	J	1.0	0.30	ug/L	-	08/12/15 14:09	08/13/15 04:01	1
Zinc, Dissolved	42	J	20	2.8	ug/L	-	08/12/15 14:09	08/13/15 04:01	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	180		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L	-	08/12/15 16:44	08/13/15 00:51	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 21:04	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.25	HF	NONE	NONE	SU	-		08/13/15 01:26	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	98	J	5.0	5.0	mg/L	-		08/13/15 01:26	1
Total Suspended Solids	660		11	11	mg/L	-		08/12/15 14:02	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: MECT-081115-11

Lab Sample ID: 680-115487-22

Date Collected: 08/11/15 13:45

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3000		200	24	ug/L		08/12/15 13:31	08/13/15 00:31	1
Calcium	77000		500	25	ug/L		08/12/15 13:31	08/13/15 00:31	1
Iron	1400		50	17	ug/L		08/12/15 13:31	08/13/15 00:31	1
Magnesium	8300		500	33	ug/L		08/12/15 13:31	08/13/15 00:31	1
Potassium	3900		1000	17	ug/L		08/12/15 13:31	08/13/15 00:31	1
Sodium	30000		1000	480	ug/L		08/12/15 13:31	08/13/15 00:31	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 13:31	08/12/15 22:31	1
Calcium, Dissolved	48000		500	25	ug/L		08/12/15 13:31	08/12/15 22:31	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 13:31	08/12/15 22:31	1
Potassium, Dissolved	2800		1000	17	ug/L		08/12/15 13:31	08/12/15 22:31	1
Magnesium, Dissolved	5400		500	33	ug/L		08/12/15 13:31	08/12/15 22:31	1
Sodium, Dissolved	28000		1000	480	ug/L		08/12/15 13:31	08/12/15 22:31	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:51	1
Arsenic	2.8		1.0	0.37	ug/L		08/12/15 13:31	08/12/15 23:51	1
Barium	290		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 23:51	1
Beryllium	1.9		0.40	0.15	ug/L		08/12/15 13:31	08/12/15 23:51	1
Cadmium	0.18		0.10	0.043	ug/L		08/12/15 13:31	08/12/15 23:51	1
Chromium	1.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 23:51	1
Cobalt	7.6		0.40	0.12	ug/L		08/12/15 13:31	08/12/15 23:51	1
Copper	15		1.0	0.50	ug/L		08/12/15 13:31	08/12/15 23:51	1
Lead	11		0.30	0.060	ug/L		08/12/15 13:31	08/12/15 23:51	1
Manganese	700		2.5	1.2	ug/L		08/12/15 13:31	08/12/15 23:51	1
Nickel	5.2		1.0	0.40	ug/L		08/12/15 13:31	08/12/15 23:51	1
Selenium	1.2	J B	2.0	0.58	ug/L		08/12/15 13:31	08/12/15 23:51	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 13:31	08/12/15 23:51	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 13:31	08/12/15 23:51	1
Vanadium	12		1.0	0.30	ug/L		08/12/15 13:31	08/12/15 23:51	1
Zinc	29		20	2.8	ug/L		08/12/15 13:31	08/12/15 23:51	1
Molybdenum	0.68	J	1.0	0.45	ug/L		08/12/15 13:31	08/12/15 23:51	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 13:31	08/12/15 22:02	1
Arsenic, Dissolved	0.83	J	1.0	0.37	ug/L		08/12/15 13:31	08/12/15 22:02	1
Barium, Dissolved	68		2.0	0.14	ug/L		08/12/15 13:31	08/12/15 22:02	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 13:31	08/12/15 22:02	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 13:31	08/12/15 22:02	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 13:31	08/12/15 22:02	1
Cobalt, Dissolved	0.75		0.40	0.12	ug/L		08/12/15 13:31	08/12/15 22:02	1
Copper, Dissolved	1.9		1.0	0.50	ug/L		08/12/15 13:31	08/12/15 22:02	1
Lead, Dissolved	0.14	J	0.30	0.060	ug/L		08/12/15 13:31	08/12/15 22:02	1
Manganese, Dissolved	2.2	J	2.5	1.2	ug/L		08/12/15 13:31	08/12/15 22:02	1
Molybdenum, Dissolved	1.7	J	1.0	0.45	ug/L		08/12/15 13:31	08/12/15 22:02	1
Nickel, Dissolved	1.0		1.0	0.40	ug/L		08/12/15 13:31	08/12/15 22:02	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: MECT-081115-11

Lab Sample ID: 680-115487-22

Date Collected: 08/11/15 13:45

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	1.4	J B	2.0	0.58	ug/L		08/12/15 13:31	08/12/15 22:02	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/12/15 13:31	08/12/15 22:02	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/12/15 13:31	08/12/15 22:02	1
Vanadium, Dissolved	1.6		1.0	0.30	ug/L		08/12/15 13:31	08/12/15 22:02	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/12/15 13:31	08/12/15 22:02	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	230		3.3	3.3	mg/L			08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/12/15 16:44	08/13/15 01:04	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/12/15 16:44	08/12/15 23:54	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.23	HF			SU			08/13/15 01:33	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	92		5.0	5.0	mg/L			08/13/15 01:33	1
Total Suspended Solids	2700		50	50	mg/L			08/12/15 14:02	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJFP-081115-11

Lab Sample ID: 680-115487-23

Date Collected: 08/11/15 13:45

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9200		200	24	ug/L		08/12/15 14:09	08/13/15 00:49	1
Calcium	61000		500	25	ug/L		08/12/15 14:09	08/13/15 00:49	1
Iron	8300		50	17	ug/L		08/12/15 14:09	08/13/15 00:49	1
Magnesium	9400		500	33	ug/L		08/12/15 14:09	08/13/15 00:49	1
Potassium	4500		1000	17	ug/L		08/12/15 14:09	08/13/15 00:49	1
Sodium	20000		1000	480	ug/L		08/12/15 14:09	08/13/15 00:49	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		08/12/15 14:09	08/13/15 01:52	1
Calcium, Dissolved	56000		500	25	ug/L		08/12/15 14:09	08/13/15 01:52	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 14:09	08/13/15 01:52	1
Potassium, Dissolved	2400		1000	17	ug/L		08/12/15 14:09	08/13/15 01:52	1
Magnesium, Dissolved	7400		500	33	ug/L		08/12/15 14:09	08/13/15 01:52	1
Sodium, Dissolved	20000		1000	480	ug/L		08/12/15 14:09	08/13/15 01:52	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:25	1
Arsenic	3.0		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 04:25	1
Barium	270		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 04:25	1
Beryllium	0.57		0.40	0.15	ug/L		08/12/15 14:09	08/13/15 04:25	1
Cadmium	0.043	U	0.10	0.043	ug/L		08/12/15 14:09	08/13/15 04:25	1
Chromium	5.6		2.0	1.0	ug/L		08/12/15 14:09	08/13/15 04:25	1
Cobalt	4.4		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 04:25	1
Copper	12		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 04:25	1
Lead	16		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 04:25	1
Manganese	270		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 04:25	1
Nickel	6.2		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:25	1
Selenium	1.0	J	2.0	0.58	ug/L		08/12/15 14:09	08/13/15 04:25	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 14:09	08/13/15 04:25	1
Thallium	0.11	J	0.20	0.10	ug/L		08/12/15 14:09	08/13/15 04:25	1
Vanadium	15		1.0	0.30	ug/L		08/12/15 14:09	08/13/15 04:25	1
Zinc	42		20	2.8	ug/L		08/12/15 14:09	08/13/15 04:25	1
Molybdenum	1.4		1.0	0.45	ug/L		08/12/15 14:09	08/13/15 04:25	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 03:37	1
Arsenic, Dissolved	0.56	J	1.0	0.37	ug/L		08/12/15 14:09	08/13/15 03:37	1
Barium, Dissolved	74		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 03:37	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 14:09	08/13/15 03:37	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 14:09	08/13/15 03:37	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 14:09	08/13/15 03:37	1
Cobalt, Dissolved	1.4		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 03:37	1
Copper, Dissolved	1.8		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 03:37	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		08/12/15 14:09	08/13/15 03:37	1
Manganese, Dissolved	18		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 03:37	1
Molybdenum, Dissolved	1.3		1.0	0.45	ug/L		08/12/15 14:09	08/13/15 03:37	1
Nickel, Dissolved	1.1		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 03:37	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJFP-081115-11

Lab Sample ID: 680-115487-23

Date Collected: 08/11/15 13:45

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		08/12/15 14:09	08/13/15 03:37	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		08/12/15 14:09	08/13/15 03:37	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		08/12/15 14:09	08/13/15 03:37	1
Vanadium, Dissolved	1.0		1.0	0.30	ug/L		08/12/15 14:09	08/13/15 03:37	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		08/12/15 14:09	08/13/15 03:37	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	190		3.3	3.3	mg/L			08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/12/15 13:18	08/12/15 20:11	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		08/12/15 13:18	08/12/15 20:39	1

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.27	HF	NONE	NONE	SU			08/13/15 01:40	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	92		5.0	5.0	mg/L			08/13/15 01:40	1
Total Suspended Solids	640		14	14	mg/L			08/12/15 14:02	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJHB-081115-11

Lab Sample ID: 680-115487-24

Date Collected: 08/11/15 13:05

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	270000		200	24	ug/L		08/12/15 14:09	08/13/15 02:28	1
Calcium	280000		500	25	ug/L		08/12/15 14:09	08/13/15 02:28	1
Iron	140000		50	17	ug/L		08/12/15 14:09	08/13/15 02:28	1
Magnesium	94000		500	33	ug/L		08/12/15 14:09	08/13/15 02:28	1
Potassium	73000		10000	170	ug/L		08/12/15 14:09	08/13/15 10:24	10
Sodium	65000		1000	480	ug/L		08/12/15 14:09	08/13/15 02:28	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	1800		200	24	ug/L		08/12/15 14:09	08/13/15 02:19	1
Calcium, Dissolved	40000		500	25	ug/L		08/12/15 14:09	08/13/15 02:19	1
Iron, Dissolved	840		50	17	ug/L		08/12/15 14:09	08/13/15 02:19	1
Potassium, Dissolved	4200		1000	17	ug/L		08/12/15 14:09	08/13/15 02:19	1
Magnesium, Dissolved	6800		500	33	ug/L		08/12/15 14:09	08/13/15 02:19	1
Sodium, Dissolved	52000		1000	480	ug/L		08/12/15 14:09	08/13/15 02:19	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 05:03	1
Arsenic	26		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 05:03	1
Barium	2600	E J	2.0	0.14	ug/L		08/12/15 14:09	08/13/15 05:03	1
Beryllium	12		0.40	0.15	ug/L		08/12/15 14:09	08/13/15 05:03	1
Cadmium	0.45		0.10	0.043	ug/L		08/12/15 14:09	08/13/15 05:03	1
Chromium	150		2.0	1.0	ug/L		08/12/15 14:09	08/13/15 05:03	1
Cobalt	73		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 05:03	1
Copper	110		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 05:03	1
Lead	130		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 05:03	1
Manganese	3400		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 05:03	1
Nickel	140		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 05:03	1
Selenium	6.0		2.0	0.58	ug/L		08/12/15 14:09	08/13/15 05:03	1
Silver	0.63	J	1.0	0.10	ug/L		08/12/15 14:09	08/13/15 05:03	1
Thallium	1.8		0.20	0.10	ug/L		08/12/15 14:09	08/13/15 05:03	1
Vanadium	230		1.0	0.30	ug/L		08/12/15 14:09	08/13/15 05:03	1
Zinc	340		20	2.8	ug/L		08/12/15 14:09	08/13/15 05:03	1
Molybdenum	2.0	J	1.0	0.45	ug/L		08/12/15 14:09	08/13/15 05:03	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	J	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 03:53	1
Arsenic, Dissolved	1.9		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 03:53	1
Barium, Dissolved	160		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 03:53	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 14:09	08/13/15 03:53	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 14:09	08/13/15 03:53	1
Chromium, Dissolved	1.2	J	2.0	1.0	ug/L		08/12/15 14:09	08/13/15 03:53	1
Cobalt, Dissolved	1.4		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 03:53	1
Copper, Dissolved	3.4		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 03:53	1
Lead, Dissolved	0.56		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 03:53	1
Manganese, Dissolved	16		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 03:53	1
Molybdenum, Dissolved	2.6	J	1.0	0.45	ug/L		08/12/15 14:09	08/13/15 03:53	1
Nickel, Dissolved	1.8		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 03:53	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJHB-081115-11

Lab Sample ID: 680-115487-24

Date Collected: 08/11/15 13:05

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L	-	08/12/15 14:09	08/13/15 03:53	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 14:09	08/13/15 03:53	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 14:09	08/13/15 03:53	1
Vanadium, Dissolved	11		1.0	0.30	ug/L	-	08/12/15 14:09	08/13/15 03:53	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 14:09	08/13/15 03:53	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	1100		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 20:58	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 20:52	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.30	HF			SU	-		08/13/15 01:46	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	110		5.0	5.0	mg/L	-		08/13/15 01:46	1
Total Suspended Solids	6300		100	100	mg/L	-		08/12/15 14:02	1

TestAmerica Savannah



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJDS-081115-11

Lab Sample ID: 680-115487-25

Date Collected: 08/11/15 11:40

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	64000		200	24	ug/L		08/12/15 14:09	08/13/15 01:43	1
Calcium	81000		500	25	ug/L		08/12/15 14:09	08/13/15 01:43	1
Iron	53000		50	17	ug/L		08/12/15 14:09	08/13/15 01:43	1
Magnesium	21000		500	33	ug/L		08/12/15 14:09	08/13/15 01:43	1
Potassium	13000		1000	17	ug/L		08/12/15 14:09	08/13/15 01:43	1
Sodium	39000		1000	480	ug/L		08/12/15 14:09	08/13/15 01:43	1

## Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	69	J	200	24	ug/L		08/12/15 14:09	08/13/15 01:16	1
Calcium, Dissolved	53000		500	25	ug/L		08/12/15 14:09	08/13/15 01:16	1
Iron, Dissolved	34	J	50	17	ug/L		08/12/15 14:09	08/13/15 01:16	1
Potassium, Dissolved	3100		1000	17	ug/L		08/12/15 14:09	08/13/15 01:16	1
Magnesium, Dissolved	7000		500	33	ug/L		08/12/15 14:09	08/13/15 01:16	1
Sodium, Dissolved	36000		1000	480	ug/L		08/12/15 14:09	08/13/15 01:16	1

## Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:50	1
Arsenic	12		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 04:50	1
Barium	620		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 04:50	1
Beryllium	3.6		0.40	0.15	ug/L		08/12/15 14:09	08/13/15 04:50	1
Cadmium	0.29		0.10	0.043	ug/L		08/12/15 14:09	08/13/15 04:50	1
Chromium	32		2.0	1.0	ug/L		08/12/15 14:09	08/13/15 04:50	1
Cobalt	24		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 04:50	1
Copper	59		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 04:50	1
Lead	58		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 04:50	1
Manganese	1000		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 04:50	1
Nickel	30		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 04:50	1
Selenium	3.4		2.0	0.58	ug/L		08/12/15 14:09	08/13/15 04:50	1
Silver	0.32	J	1.0	0.10	ug/L		08/12/15 14:09	08/13/15 04:50	1
Thallium	0.63		0.20	0.10	ug/L		08/12/15 14:09	08/13/15 04:50	1
Vanadium	82		1.0	0.30	ug/L		08/12/15 14:09	08/13/15 04:50	1
Zinc	160		20	2.8	ug/L		08/12/15 14:09	08/13/15 04:50	1
Molybdenum	1.2	J	1.0	0.45	ug/L		08/12/15 14:09	08/13/15 04:50	1

## Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 03:17	1
Arsenic, Dissolved	0.97	J	1.0	0.37	ug/L		08/12/15 14:09	08/13/15 03:17	1
Barium, Dissolved	71		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 03:17	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 14:09	08/13/15 03:17	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 14:09	08/13/15 03:17	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 14:09	08/13/15 03:17	1
Cobalt, Dissolved	2.1		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 03:17	1
Copper, Dissolved	2.5		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 03:17	1
Lead, Dissolved	0.086	J	0.30	0.060	ug/L		08/12/15 14:09	08/13/15 03:17	1
Manganese, Dissolved	5.0		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 03:17	1
Molybdenum, Dissolved	2.0	J	1.0	0.45	ug/L		08/12/15 14:09	08/13/15 03:17	1
Nickel, Dissolved	1.3		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 03:17	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJDS-081115-11

Lab Sample ID: 680-115487-25

Date Collected: 08/11/15 11:40

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.97	J	2.0	0.58	ug/L	--	08/12/15 14:09	08/13/15 03:17	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	--	08/12/15 14:09	08/13/15 03:17	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	--	08/12/15 14:09	08/13/15 03:17	1
Vanadium, Dissolved	1.8		1.0	0.30	ug/L	--	08/12/15 14:09	08/13/15 03:17	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	--	08/12/15 14:09	08/13/15 03:17	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	290		3.3	3.3	mg/L	--		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L	--	08/12/15 13:18	08/12/15 20:27	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	--	08/12/15 13:18	08/12/15 20:24	1

## General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.28	HF			SU	--		08/13/15 01:53	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	100		5.0	5.0	mg/L	--		08/13/15 01:53	1
Total Suspended Solids	2600		100	100	mg/L	--		08/12/15 14:02	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJLP-081115-11

Lab Sample ID: 680-115487-26

Date Collected: 08/11/15 14:25

Matrix: Water

Date Received: 08/12/15 09:46

Method: 200.7 Rev 4.4 - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	97000		200	24	ug/L		08/12/15 14:09	08/13/15 02:32	1
Calcium	98000		500	25	ug/L		08/12/15 14:09	08/13/15 02:32	1
Iron	75000		50	17	ug/L		08/12/15 14:09	08/13/15 02:32	1
Magnesium	28000		500	33	ug/L		08/12/15 14:09	08/13/15 02:32	1
Potassium	18000		1000	17	ug/L		08/12/15 14:09	08/13/15 02:32	1
Sodium	39000		1000	480	ug/L		08/12/15 14:09	08/13/15 02:32	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	32	J	200	24	ug/L		08/12/15 14:09	08/13/15 01:48	1
Calcium, Dissolved	50000		500	25	ug/L		08/12/15 14:09	08/13/15 01:48	1
Iron, Dissolved	17	U	50	17	ug/L		08/12/15 14:09	08/13/15 01:48	1
Potassium, Dissolved	3100		1000	17	ug/L		08/12/15 14:09	08/13/15 01:48	1
Magnesium, Dissolved	6600		500	33	ug/L		08/12/15 14:09	08/13/15 01:48	1
Sodium, Dissolved	35000		1000	480	ug/L		08/12/15 14:09	08/13/15 01:48	1

Method: 200.8 - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 05:15	1
Arsenic	19		1.0	0.37	ug/L		08/12/15 14:09	08/13/15 05:15	1
Barium	890		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 05:15	1
Beryllium	5.5		0.40	0.15	ug/L		08/12/15 14:09	08/13/15 05:15	1
Cadmium	0.23		0.10	0.043	ug/L		08/12/15 14:09	08/13/15 05:15	1
Chromium	47		2.0	1.0	ug/L		08/12/15 14:09	08/13/15 05:15	1
Cobalt	36		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 05:15	1
Copper	85		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 05:15	1
Lead	76		0.30	0.060	ug/L		08/12/15 14:09	08/13/15 05:15	1
Manganese	1600		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 05:15	1
Nickel	43		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 05:15	1
Selenium	3.9		2.0	0.58	ug/L		08/12/15 14:09	08/13/15 05:15	1
Silver	0.44	J	1.0	0.10	ug/L		08/12/15 14:09	08/13/15 05:15	1
Thallium	0.95		0.20	0.10	ug/L		08/12/15 14:09	08/13/15 05:15	1
Vanadium	120		1.0	0.30	ug/L		08/12/15 14:09	08/13/15 05:15	1
Zinc	230		20	2.8	ug/L		08/12/15 14:09	08/13/15 05:15	1
Molybdenum	1.4	J	1.0	0.45	ug/L		08/12/15 14:09	08/13/15 05:15	1

Method: 200.8 - Metals (ICP/MS) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		08/12/15 14:09	08/13/15 03:33	1
Arsenic, Dissolved	0.96	J	1.0	0.37	ug/L		08/12/15 14:09	08/13/15 03:33	1
Barium, Dissolved	67		2.0	0.14	ug/L		08/12/15 14:09	08/13/15 03:33	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		08/12/15 14:09	08/13/15 03:33	1
Cadmium, Dissolved	0.043	U	0.10	0.043	ug/L		08/12/15 14:09	08/13/15 03:33	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		08/12/15 14:09	08/13/15 03:33	1
Cobalt, Dissolved	2.0		0.40	0.12	ug/L		08/12/15 14:09	08/13/15 03:33	1
Copper, Dissolved	2.3		1.0	0.50	ug/L		08/12/15 14:09	08/13/15 03:33	1
Lead, Dissolved	0.064	J	0.30	0.060	ug/L		08/12/15 14:09	08/13/15 03:33	1
Manganese, Dissolved	3.6		2.5	1.2	ug/L		08/12/15 14:09	08/13/15 03:33	1
Molybdenum, Dissolved	2.0	J	1.0	0.45	ug/L		08/12/15 14:09	08/13/15 03:33	1
Nickel, Dissolved	1.4		1.0	0.40	ug/L		08/12/15 14:09	08/13/15 03:33	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-1

Client Sample ID: SJLP-081115-11

Lab Sample ID: 680-115487-26

Date Collected: 08/11/15 14:25

Matrix: Water

Date Received: 08/12/15 09:46

## Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.85	J	2.0	0.58	ug/L	-	08/12/15 14:09	08/13/15 03:33	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L	-	08/12/15 14:09	08/13/15 03:33	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L	-	08/12/15 14:09	08/13/15 03:33	1
Vanadium, Dissolved	1.9		1.0	0.30	ug/L	-	08/12/15 14:09	08/13/15 03:33	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L	-	08/12/15 14:09	08/13/15 03:33	1

## Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	360		3.3	3.3	mg/L	-		08/13/15 12:09	1

## Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 21:01	1

## Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	-	08/12/15 13:18	08/12/15 20:30	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.28	HF J	NONE	NONE	SU	-		08/13/15 02:02	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	110		5.0	5.0	mg/L	-		08/13/15 02:02	1
Total Suspended Solids	3700		100	100	mg/L	-		08/12/15 14:02	1

*Pre 8/13/15*  
TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJMC-081015-12

Lab Sample ID: 680-115487-1

Date Collected: 08/10/15 13:40

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	350		10	10	mg/L			08/12/15 15:26	1

*DRG 8/13/15*

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJME-081015-11**

**Lab Sample ID: 680-115487-2**

Date Collected: 08/10/15 14:40

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	370		10	10	mg/L	-		08/12/15 15:26	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJMC-081015-11

Lab Sample ID: 680-115487-3

Date Collected: 08/10/15 13:35

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	360		10	10	mg/L			08/12/15 15:26	1

TestAmerica Savannah

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJ4C-081015-11**

**Lab Sample ID: 680-115487-4**

Date Collected: 08/10/15 15:05

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	390		10	10	mg/L			08/12/15 15:26	1

TestAmerica Savannah



## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJSR-081015-11**

**Lab Sample ID: 680-115487-5**

Date Collected: 08/10/15 12:10

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	330		10	10 mg/L			08/12/15 15:26	1

TestAmerica Savannah

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJFP-081015-11**

**Lab Sample ID: 680-115487-6**

Date Collected: 08/10/15 10:35

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	270		10	10 mg/L			08/12/15 15:26	1

TestAmerica Savannah

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJBB-081015-11**

**Lab Sample ID: 680-115487-7**

Date Collected: 08/10/15 12:40

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	380		10	10	mg/L			08/12/15 15:26	1

TestAmerica Savannah

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJMH-081015-11**

**Lab Sample ID: 680-115487-8**

Date Collected: 08/10/15 11:35

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	370		10	10	mg/L			08/12/15 15:26	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: MECT-081015-11**

**Lab Sample ID: 680-115487-9**

Date Collected: 08/10/15 14:15

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10	10	mg/L			08/12/15 15:26	1

TestAmerica Savannah

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJLP-081015-11**

**Lab Sample ID: 680-115487-10**

Date Collected: 08/10/15 09:40

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	260		10	10	mg/L			08/12/15 15:26	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJDS-081015-11

Lab Sample ID: 680-115487-11

Date Collected: 08/10/15 13:25

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	340		10	10 mg/L			08/12/15 15:26	1

OFG  
8/13/15

TestAmerica Savannah

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJHB-081015-11**

**Lab Sample ID: 680-115487-12**

Date Collected: 08/10/15 11:25

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	260		10	10	mg/L			08/12/15 16:59	1

TestAmerica Savannah



## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJHB-081015-12**

**Lab Sample ID: 680-115487-13**

Date Collected: 08/10/15 11:25

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	260		10	10	mg/L			08/12/15 16:59	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJ4C-081115-11**

**Lab Sample ID: 680-115487-14**

Date Collected: 08/11/15 09:52

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	10 mg/L			08/12/15 16:59	1

TestAmerica Savannah

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJ4C-081115-12

Lab Sample ID: 680-115487-15

Date Collected: 08/11/15 09:52

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	350		10	10	mg/L			08/12/15 16:59	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJSR-081115-11

Lab Sample ID: 680-115487-16

Date Collected: 08/11/15 12:35

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	290		10	10	mg/L			08/12/15 16:59	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJMH-081115-11**

**Lab Sample ID: 680-115487-17**

Date Collected: 08/11/15 10:35

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	350		10	10	mg/L			08/12/15 16:59	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJBB-081115-11**

**Lab Sample ID: 680-115487-18**

Date Collected: 08/11/15 11:30

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	330		10	10	mg/L			08/12/15 16:59	1

TestAmerica Savannah

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJMC-081115-11**

**Lab Sample ID: 680-115487-19**

Date Collected: 08/11/15 12:20

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10	10	mg/L			08/12/15 16:59	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJME-081115-11

Lab Sample ID: 680-115487-20

Date Collected: 08/11/15 13:30

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	280		10	10	mg/L			08/12/15 16:59	1

TestAmerica Savannah



## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJME-081115-12**

**Lab Sample ID: 680-115487-21**

Date Collected: 08/11/15 13:35

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	290		10	10	mg/L			08/12/15 16:59	1

TestAmerica Savannah

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: MECT-081115-11**

**Lab Sample ID: 680-115487-22**

Date Collected: 08/11/15 13:45

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	310		10	10 mg/L			08/12/15 16:59	1

TestAmerica Savannah

## Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJFP-081115-11**

**Lab Sample ID: 680-115487-23**

Date Collected: 08/11/15 13:45

Matrix: Water

Date Received: 08/12/15 09:46

### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	300		10	10	mg/L			08/12/15 16:59	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

**Client Sample ID: SJHB-081115-11**

**Lab Sample ID: 680-115487-24**

Date Collected: 08/11/15 13:05

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	350		10	10 mg/L			08/12/15 16:59	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJDS-081115-11

Lab Sample ID: 680-115487-25

Date Collected: 08/11/15 11:40

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	340		10	10 mg/L			08/12/15 16:59	1

TestAmerica Savannah

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJLP-081115-11

Lab Sample ID: 680-115487-26

Date Collected: 08/11/15 14:25

Matrix: Water

Date Received: 08/12/15 09:46

## General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	330		10	10 mg/L			08/12/15 16:59	1

*Handwritten signature*

TestAmerica Savannah